Yahoo Group Archive: acom-list (2010 — 2016)

Yahoo Group summary: Acom amp reflector

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2016. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2010-01-03 through 2016-04-22

Source WARC: acom-list.wrfJs9L.warc.gz

Source item: https://archive.org/details/yahoo-groups-2016-04-23T12-23-47Z-6e2391

Messages included in this PDF: 3720

Message records with no body available in the source archive: 1

Messages omitted as spam from this PDF: 8

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

3475. DUAL PTT-In

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-03 18:20:33 UTC
From: IZ7AUH Frank
Topic: 3475 Message: 3475

Hi Guys,

i need your help, I have an ACOM 1000 and two radio IC7600 and FLEX-3000

I can make a dual PTT-in cable a Y-cable with 2 PIN for IC7600 and FLEX3000
and one for PTT-in of ACOM?

Or dangerous?

Many tnx HNY to ALL

Sincerely and 73,

FIRMA-FRANK1

Francesco Giacoia, IZ7AUH/WZ7AUH

ARI Member - ARRL Member - Strange Radio Team #002 - RBLob - ARMI #097

E-mail: <mailto:hello@...> hello@... -
<mailto:wz7auh@...> wz7auh@...

Web: <http://www.iz7auh.com> http://www.iz7auh.com

Phone: +39.349.47.06.795

[Non-text portions of this message have been removed]

3476. RE: [acom-list] DUAL PTT-In

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-03 21:22:51 UTC
From: George Steube
Topic: 3475 Message: 3476

Frank,
I do exactly what you are proposing. I have a Flex 5KA and an Icom IC-7700 and I have two amps, a Tokyo High Power and an Acom 2KA. Since the keying is via relays (note that I made a keying relay for the Flex) and I only use one amp and one rig at a time when either rig activates its keying relay the selected amp is keyed.
George
W2GS
-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]On Behalf Of IZ7AUH Frank
Sent: Sunday, January 03, 2010 12:21 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] DUAL PTT-In

Hi Guys,

i need your help, I have an ACOM 1000 and two radio IC7600 and FLEX-3000

I can make a dual PTT-in cable a Y-cable with 2 PIN for IC7600 and FLEX3000
and one for PTT-in of ACOM?

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Sincerely and 73,

FIRMA-FRANK1

Francesco Giacoia, IZ7AUH/WZ7AUH

ARI Member - ARRL Member - Strange Radio Team #002 - RBLob - ARMI #097

E-mail: <mailto:hello@...> hello@... - <mailto:wz7auh@...> wz7auh@...

Web: <http://www.iz7auh.com> http://www.iz7auh.com

Phone: +39.349.47.06.795

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3477. RE: [acom-list] DUAL PTT-In

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-03 22:15:29 UTC
From: Geir Tore Christiansen
Topic: 3475 Message: 3477

You most probably have a switch for the RF input to the Acom, so why not another one for the PTT ?

Most elegant would be a coax relay and a key relay driven by same switch.

Geir/LA5ZO

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of George Steube
Sent: 3. januar 2010 22:23
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] DUAL PTT-In

Frank,
I do exactly what you are proposing. I have a Flex 5KA and an Icom IC-7700 and I have two amps, a Tokyo High Power and an Acom 2KA. Since the keying is via relays (note that I made a keying relay for the Flex) and I only use one amp and one rig at a time when either rig activates its keying relay the selected amp is keyed.
George
W2GS
-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]On Behalf Of IZ7AUH Frank
Sent: Sunday, January 03, 2010 12:21 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] DUAL PTT-In

Hi Guys,

i need your help, I have an ACOM 1000 and two radio IC7600 and FLEX-3000

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Sincerely and 73,

FIRMA-FRANK1

Francesco Giacoia, IZ7AUH/WZ7AUH

ARI Member - ARRL Member - Strange Radio Team #002 - RBLob - ARMI #097

E-mail: <mailto:hello@... <mailto:hello%40iz7auh.com> >
hello@... <mailto:hello%40iz7auh.com> -
<mailto:wz7auh@... <mailto:wz7auh%40arrl.net> > wz7auh@...
<mailto:wz7auh%40arrl.net>

Web: <http://www.iz7auh.com> http://www.iz7auh.com

Phone: +39.349.47.06.795

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3478. Re: [acom-list] DUAL PTT-In

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-04 07:07:51 UTC
From: Hans Remeeus
Topic: 3475 Message: 3478

As the Acom 2000A does not feature dual rig and/or dual antenna I made
something myself.

You can see the results on
http://www.remeeus.eu/amateur-radio/antennes-en-antennetuners/ab-schakelkastje.html
It is in the Dutch language, however Google Translate may help you
translating it into your own language.

My IC-7700 has ANT1 - ANT4, of which I use ANT1 and ANT2.

For about 40 euro I have the following features, with the A/B-switch
very close to the rig:

A1: ANT1 with DeltaLoop + linear and ANT2 with Vertical, or:
B1: ANT1 with Vertical + linear and ANT2 with DelaLoop.

Or:

A2: ANT1 with Vertical + linear and ANT2 with DeltaLoop, or:
B2: ANT1 with DeltaLoop + linear and ANT2 with Vertical.

I found this very useful, especially during (multiband) contests, where
fast switching can be very important.

The switchbox is tested with more than 1.500 kW on the dummyload.

Together with ANT1 and ANT2 I use RX-I/O with Perseus SDR as second
receiver (in combination with BobCAT and Tmate).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

3479. WTB: Acom1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-04 10:09:54 UTC
From: Alex
Topic: 3479 Message: 3479

Hello all,

Want to buy a ACOM1010. If you have one avaliable in good condition, please let me know. My email is: polati(at)terra.com.br or py2un(at)hotmail.com.

73s and all the best in 2010!

Alex

3480. Mains voltage for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-15 11:47:24 UTC
From: ik2typ
Topic: 3480 Message: 3480

Hello.

In the last two months I have noticed the HEATER led was blinking very often, one day that it was always blinking, I've checked the main voltage it was 236 Volts,

suddenly went to "PROT" while the RCU was on standby mode, and a message issued on the RCU display (DC motor voltage too high 48,8V).

The internal setting into the amplifier is 220 Volt.

I have to say that a week ago I also had on my PC station, a motherboard crash, and the new computer sometimes at start stopped after showing the motherboard logo not able to go haead anymore, as the oldest one did many time before crashing. .

So, in order for a better protection for the whole stuff in the radio station I have mounted an appropriate AC stabilizer of 7.5 KWA with an out of 220 V. AC

Now everything work very well, but I am still surprised because 236 Volts isn't more than 7,5% . of nominal's 220V

Fede, IK2TYP

[Non-text portions of this message have been removed]

3481. Re: [acom-list] Mains voltage for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-16 11:40:05 UTC
From: Hans Remeeus
Topic: 3480 Message: 3481

Hello Fede,

If the Voltage is so close to 240 Volt (in your situation 236 Volt)
personally I would prefer the 240 Volt setting of the 2000A.

However; with the 220 Volt stabilizer you have made a good solution. Is
it 7.5 kWA or 7.5 kVA?

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

ik2typ schreef:
> Hello.
>
> In the last two months I have noticed the HEATER led was blinking very
> often, one day that it was always blinking, I've checked the main voltage
> it was 236 Volts,
>
> suddenly went to "PROT" while the RCU was on standby mode, and a message
> issued on the RCU display (DC motor voltage too high 48,8V).
>
> The internal setting into the amplifier is 220 Volt.
>
> I have to say that a week ago I also had on my PC station, a motherboard
> crash, and the new computer sometimes at start stopped after showing the
> motherboard logo not able to go haead anymore, as the oldest one did many
> time before crashing. .
>
> So, in order for a better protection for the whole stuff in the radio
> station I have mounted an appropriate AC stabilizer of 7.5 KWA with an out
> of 220 V. AC
>
> Now everything work very well, but I am still surprised because 236 Volts
> isn't more than 7,5% . of nominal's 220V
>
> Fede, IK2TYP
>

3482. Re: [acom-list] Mains voltage for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-16 12:26:32 UTC
From: Fulvio Galli
Topic: 3480 Message: 3482

CIao Fede,

I had the same problem as you described. By following Hans' suggestion I had no problem (I didn't need
the any AC stabilizer).

Un caro saluto dalla svizzera italiana,
Vy 73 de HB9DHG Fulvio

On Jan 16, 2010, at 12:40 PM, Hans Remeeus wrote:

>
> Hello Fede,
>
> If the Voltage is so close to 240 Volt (in your situation 236 Volt)
> personally I would prefer the 240 Volt setting of the 2000A.
>
> However; with the 220 Volt stabilizer you have made a good solution. Is
> it 7.5 kWA or 7.5 kVA?
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> Communication is about people, the rest is technology.
>
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> > Hello.
> >
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> > it was 236 Volts,
> >
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> > issued on the RCU display (DC motor voltage too high 48,8V).
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> > The internal setting into the amplifier is 220 Volt.
> >
> > I have to say that a week ago I also had on my PC station, a motherboard
> > crash, and the new computer sometimes at start stopped after showing the
> > motherboard logo not able to go haead anymore, as the oldest one did many
> > time before crashing. .
> >
> > So, in order for a better protection for the whole stuff in the radio
> > station I have mounted an appropriate AC stabilizer of 7.5 KWA with an out
> > of 220 V. AC
> >

> > Now everything work very well, but I am still surprised because 236 Volts
> > isn't more than 7,5% . of nominal's 220V
> >
> > Fede, IK2TYP
> >
>

3483. ACOM 2000A RCU voltmeter revisited

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-19 03:50:24 UTC
From: kamarty456
Topic: 3483 Message: 3483

A while back I indicated a significant variance between my 240VAC line voltage and the mains voltage displayed on the RCU [remote control unit]

I finally opened the amp and adjusted the voltmeter to read the same as the digital voltmeter reading at the 240VAC outlet.

Well over time I'm noticing the RCU mains voltage has drifted and no longer is a slave to my outboard meter. For now I'm not too concerned as the readings can be dead on or +/-2VAC.

I never did get any answers to the question about the mains voltage reading VS the heater voltage... As the mains voltage would increase from say, 241-VAC to 246VAC the heater yellow LED would flash and when looking at the heater voltage display it would read 13.1 to 13.4V

As the mains voltage would settle down to say 243VAC the Acom RCU would display 243 to 245VAC and the heater voltage from 13.1 to 13.3V

Is there any relationship between the two voltmeter indications? I prefer not to be poking around to measure the heater voltage and calibrate the heater voltmeter.
I understand that as the 240VAC line voltage varies so too with all parameters. But...the line voltage is a solid 240VAC to maybe 243VAC

so..if the Acom is displaying a higher line voltage than what is actual, is it effecting all parameters or is it simply the voltmeter error?

Martin KA7GKN

3484. Acom 2000A Low G2 Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-20 18:49:23 UTC
From: Edward
Topic: 3484 Message: 3484

First post here. I am about to buy a used Acom 2000A next week from the widow of a SK.

The 2000A has been off the air for about 2 1/2 years. When I first powered it up and selected "operate" it gave a "low G2 voltage error". I then cycled the "operate/standby" again and it did not give an error.

I've read all the other posts here about the issue possibly being a tube, varistor, or RS-232 connection.

Should I be concerned? Is the repair likely to be costly? I know the price of tubes if that is the issue but aside from tubes is it likely to cost a lot to repair, if needed?

I am very technically adept and can do the repair myself if that is an option.

Thanks in advance for any thoughts and I look forward to learning and contributing to this group in the future.

73,

Mack de WB4MAK

3485. Re: [acom-list] Acom 2000A Low G2 Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-20 22:42:04 UTC
From: Mike Harris
Topic: 3484 Message: 3485

Hi Edward,

After 2 1/2 years off the PSU electrolytics could have been a bit leaky (passing current) and needed reforming. Once it's been on for a while that should be fixed.

I would, however, increase the on time slowly just in case any leakage current caused heating, a cap blow up is messy. Maybe 10 minutes on, rest, 20 minutes on, rest, one hour on, thereafter OK. You may well be beyond that stage already though.

Regards,

Mike VP8NO
K2, K3, Acom 1000

----- Original Message -----
From: "Edward" <mccormick_mack@...>
To: <acom-list@yahoogroups.com>
Sent: Wednesday, January 20, 2010 3:49 PM
Subject: [acom-list] Acom 2000A Low G2 Voltage

> First post here. I am about to buy a used Acom 2000A next week
> from the widow of a SK.
>
> The 2000A has been off the air for about 2 1/2 years. When I first
> powered it up and selected "operate" it gave a "low G2 voltage
> error". I then cycled the "operate/standby" again and it did not
> give an error.
>
> I've read all the other posts here about the issue possibly being
> a tube, varistor, or RS-232 connection.
>
> Should I be concerned? Is the repair likely to be costly? I know
> the price of tubes if that is the issue but aside from tubes is it
> likely to cost a lot to repair, if needed?
>
> I am very technically adept and can do the repair myself if that
> is an option.
>
> Thanks in advance for any thoughts and I look forward to learning
> and contributing to this group in the future.
>
> 73,
>
> Mack de WB4MAK

3486. Re: [acom-list] Acom 2000A Low G2 Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-21 00:25:34 UTC
From: Jim Idelson
Topic: 3484 Message: 3486

Good technical answer from Mike. On the business side, Acom US goes out of their way to be helpful. Everyone on the reflector here has a positive story to tell about interactions with Will or the team in LZ. If it turns out that you need to make a repair and you'd like to do it yourself, I think you can expect to get a helpful level of encouragement and assistance from Acom.

73,

Jim K1IR

On Wed, Jan 20, 2010 at 5:42 PM, Mike Harris <mike.harris@...> wrote:
> Hi Edward,
>
> After 2 1/2 years off the PSU electrolytics could have been a bit
> leaky (passing current) and needed reforming. Once it's been on for
> a while that should be fixed.
>
> I would, however, increase the on time slowly just in case any
> leakage current caused heating, a cap blow up is messy. Maybe 10
> minutes on, rest, 20 minutes on, rest, one hour on, thereafter OK.
> You may well be beyond that stage already though.
>
> Regards,
>
> Mike VP8NO
> K2, K3, Acom 1000
>
> ----- Original Message -----
> From: "Edward" <mccormick_mack@...>
> To: <acom-list@yahoogroups.com>
> Sent: Wednesday, January 20, 2010 3:49 PM
> Subject: [acom-list] Acom 2000A Low G2 Voltage
>
>
>> First post here. I am about to buy a used Acom 2000A next week
>> from the widow of a SK.
>>
>> The 2000A has been off the air for about 2 1/2 years. When I first
>> powered it up and selected "operate" it gave a "low G2 voltage
>> error". I then cycled the "operate/standby" again and it did not
>> give an error.
>>
>> I've read all the other posts here about the issue possibly being
>> a tube, varistor, or RS-232 connection.
>>

>> Should I be concerned? Is the repair likely to be costly? I know
>> the price of tubes if that is the issue but aside from tubes is it
>> likely to cost a lot to repair, if needed?
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>> I am very technically adept and can do the repair myself if that
>> is an option.
>>
>> Thanks in advance for any thoughts and I look forward to learning
>> and contributing to this group in the future.
>>
>> 73,
>>
>> Mack de WB4MAK
>
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> ------------------------------------
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> Yahoo! Groups Links
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3487. Re: Acom 2000A Low G2 Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-21 13:27:42 UTC
From: Edward
Topic: 3484 Message: 3487

Thank you to everyone for your replies and reassurances. I'll go ahead and pay for it and then deal with the issue if it persists.

One other question please. I'd like to pick up a spare set of tubes. Please recommend the best source/price/quality.

73,

Mack de WB4MAK

3488. FOR SALE : Acom 2000S antenna remote switch

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-21 21:10:18 UTC
From: kg4lru@aol.com
Topic: 3488 Message: 3488

Acom 2000 SW remote switch 10 position ,5 KW
Acom 2000 S antenna selector
150 feet of new cable control cable
Comes with operators manuals and cables to connect to the Acom 2000 A amplifiers or can control via computer or manual .
Just had the unit serviced and new cable made up. Includes recite . The switch has many features ,Please see Acom web site for more details .

http://www.hfpower.com/ (http://www.hfpower.com/)

List price New 895.00 SELL 525.00 includes shipping
lower 48 states

Contact AI4DQ Phil Zavagli 502-339-0422

[Non-text portions of this message have been removed]

3489. RE: [acom-list] Re: Acom 2000A Low G2 Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-23 01:20:57 UTC
From: Joel Kornreich
Topic: 3484 Message: 3489

Regarding your question,.....

Look at VINE ANTENNAS in the UK. The units are tested and match.

'73, K2QBV

To: acom-list@yahoogroups.com
From: mccormick_mack@...
Date: Thu, 21 Jan 2010 13:27:42 +0000
Subject: [acom-list] Re: Acom 2000A Low G2 Voltage

Thank you to everyone for your replies and reassurances. I'll go ahead and pay for it and then deal with the issue if it persists.

One other question please. I'd like to pick up a spare set of tubes. Please recommend the best source/price/quality.

73,

Mack de WB4MAK

_____
Hotmail: Trusted email with Microsoft?s powerful SPAM protection.
http://clk.atdmt.com/GBL/go/196390706/direct/01/

[Non-text portions of this message have been removed]

3490. pw1

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-28 16:43:18 UTC
From: paul glassman
Topic: 3430 Message: 3490

I am looking to swap my pw1 for an acom 2000a.
73 paul w8jn

3491. Acom remote switch for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-28 21:38:43 UTC
From: kg4lru@aol.com
Topic: 3491 Message: 3491

Acom 2000 antenna switch 10 pos 5 KW anti Hot switching RS 232 Fully auto with any Acom 2000A amp. Just back from acom has been gone through also comes with 150 ft cable with connectors . Nul modem cable to connect to your 2000A amp ,Switch can be connected via RS 232 cable so perfect remote operation. This is the daddy of all switches. You get the the selector box wired for 110/220 the the antenna switch the bracket to hold the switch at the tower ,150 ft of cable ,Null modem cable for your amp . This can be used with any station as stand loan and still can be computer contoled Retail New 895.00 Sell for 520.00 CONUS via three days Paypal ok or Money order

[Non-text portions of this message have been removed]

3492. RE: [acom-list] Acom remote switch for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-28 22:25:02 UTC
From: Paul
Topic: 3491 Message: 3492

Phil, do you have a 2000a to sell
? 73. Paul w8jn

-----Original Message-----
From: kg4lru@...
Sent: Thursday, January 28, 2010 4:38 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom remote switch for sale

Acom 2000 antenna switch 10 pos 5 KW anti Hot switching RS 232 Fully auto
with any Acom 2000A amp. Just back from acom has been gone through also
comes with 150 ft cable with connectors . Nul modem cable to connect to your
2000A amp ,Switch can be connected via RS 232 cable so perfect remote
operation. This is the daddy of all switches. You get the the selector box wired
for 110/220 the the antenna switch the bracket to hold the switch at the
tower ,150 ft of cable ,Null modem cable for your amp . This can be used with
any station as stand loan and still can be computer contoled Retail New
895.00 Sell for 520.00 CONUS via three days Paypal ok or Money order

[Non-text portions of this message have been removed]

Reply to sender | Reply to group

[The entire original message is not included]

[Non-text portions of this message have been removed]

3493. Re: [acom-list] Acom remote switch for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-29 05:57:42 UTC
From: kg4lru@aol.com
Topic: 3491 Message: 3493

Sorry

Just the switch the remote switch

In a message dated 1/28/2010 5:24:51 P.M. Eastern Standard Time,
highschooldiving@... writes:

Phil, do you have a 2000a to sell
? 73. Paul w8jn

-----Original Message-----
From: _kg4lru@..._ (mailto:kg4lru@...)
Sent: Thursday, January 28, 2010 4:38 PM
To: _acom-list@yahoogrouacom-l_ (mailto:acom-list@yahoogroups.com)
Subject: [acom-list] Acom remote switch for sale

Acom 2000 antenna switch 10 pos 5 KW anti Hot switching RS 232 Fully auto
with any Acom 2000A amp. Just back from acom has been gone through also
comes with 150 ft cable with connectors . Nul modem cable to connect to
your
2000A amp ,Switch can be connected via RS 232 cable so perfect remote
operation. This is the daddy of all switches. You get the the selector box
wired
for 110/220 the the antenna switch the bracket to hold the switch at the
tower ,150 ft of cable ,Null modem cable for your amp . This can be used
with
any station as stand loan and still can be computer contoled Retail New
895.00 Sell for 520.00 CONUS via three days Paypal ok or Money order

[Non-text portions of this message have been removed]

Reply to sender | Reply to group

[The entire original message is not included]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3494. Question on Tubes Please 4CX800

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-31 13:53:07 UTC
From: Mack WB4MAK
Topic: 3494 Message: 3494

I am the second owner of an Acom 2000A that is working great in every aspect but I do have a few questions. It produces full power with no errors or protection faults.

1. What is the life expectancy of the 4CX800's? I know this is a question with a lot of variables but I'm just trying to get some benchmarks. I do have a second set on order from Vine Antennas thanks to the advice of this list.

2. I understand that you should not cycle the heaters on and off more than necessary as that is a source of failure. What are some general guidelines? Let's say that I have three nets today at 9 AM, 2PM, and 3 PM. Should I turn off the heaters between 9 AM and 2 PM or is it better just to leave them on?

3. What are the major indications you receive when the tubes need to be replaced? Is there a way to check the tubes while in the amp?

Thanks in advance. I own a lot of tube equipment but I'm just trying to get specifics related to these tubes and amp.

73,

Mack de WB4MAK

3495. RE: [acom-list] Question on Tubes Please 4CX800

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-31 14:13:20 UTC
From: Bob Naumann
Topic: 3494 Message: 3495

Mack,

As I told you previously, you probably will not need to purchase spare tubes - ever. Some tubes do get away from the factory with a defect that shows up pretty quickly but most are like mine (and apparently yours) that keep on working for a long time with no trouble. Mine have been in heavy use since 1997 - nearly every major contest over that span including SSB, CW and RTTY - with numerous operators and no damage aside from the vacuum relay going out after about 10 years of heavy usage. Note - this was not doing QSK the whole time. With QSK, the vacuum relay will likely not last as long.

You can leave the amp on all day if you like and it will not make any difference to the life of the tubes. You could turn it off after your morning net and turn it back on in the afternoon and make no difference to the tubes - just remember that you have the warm-up period, so you'll have to turn it on several minutes before you want to use it at 2pm.

What kind of a deal did Vine give you on the tubes? I hope it was a lot better than our price since we have them in stock right here in the U.S.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mack WB4MAK
Sent: Sunday, January 31, 2010 7:53 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Question on Tubes Please 4CX800

I am the second owner of an Acom 2000A that is working great in every aspect but I do have a few questions. It produces full power with no errors or protection faults.

1. What is the life expectancy of the 4CX800's? I know this is a question with a lot of variables but I'm just trying to get some benchmarks. I do have a second set on order from Vine Antennas thanks to the advice of this list.

2. I understand that you should not cycle the heaters on and off more than necessary as that is a source of failure. What are some general guidelines? Let's say that I have three nets today at 9 AM, 2PM, and 3 PM. Should I turn off the heaters between 9 AM and 2 PM or is it better just to leave them on?

3. What are the major indications you receive when the tubes need to be replaced? Is there a way to check the tubes while in the amp?

Thanks in advance. I own a lot of tube equipment but I'm just trying to get specifics related to these tubes and amp.

73,

Mack de WB4MAK

Yahoo! Groups Links

3496. Question on Tubes Please 4CX800

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-31 14:30:20 UTC
From: Hal Kennedy
Topic: 3494 Message: 3496

At the risk of jumping into what seems to often be controversial, here are a few thoughts and data points:
1. The rating of the tube life by Svetlana is >2500 hours. I am unaware of any failing sooner than 2500 hours. Many are still running fine at 10,000 hours or more. Tom (sk), of Tom's tubes, who probably sold more of these than anyone else; used to suggest 3500 hours average. I think the number is closer to 5000-7000 hours average, but it depends a lot on how you use/abuse them. If you use auto-tune and run more than 1500W output, you can destroy the tubes quickly. 5000 hours of RTTY contesting is not the same as 5000 hours of sitting listening to a net.

2. If the temperature of the two tubes while running hot is off by a lot more over time than it was when they were new, that's a sign one is going soft. This usually is not the failure mode. The most common failure mode is a grid short. Your amp will either trip out or fail to start with error codes indicative of a grid short.
3. We are all warned of turn-on cycles potentially failing the filaments. Just like a light bulb - they tend to go at power on. Unlike a light bulb, your amp has step start, to soften the shock of power up. I am unaware of any of these tubes ever failing with an open filament. Anybody ever seen one? It would be helpful to know under what conditions it occurred. Power-on does shock the tubes some, so I would leave your amp on for the two afternoon nets, but probably turn it off if I was off the air more than 3 hours.
4. Other than checking the operating temperature, there is no way to check the tubes inside the amp. If you get 1500W out for 50-60W in, into a 50 ohm load, both tubes are fine. The amp checks the tubes continuously. Your best source of data is an error code - but you get no warning.

Enjoy the amp and forget the tubes, and don't overdrive it!

73,
Hal
N4GG

[Non-text portions of this message have been removed]

3497. Re: Question on Tubes Please 4CX800

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-31 18:24:06 UTC
From: Mack WB4MAK
Topic: 3494 Message: 3497

Thank you to everyone who responded with some great insights. I think I was over-thinking the tube thing.

Two people asked what the tubes cost from Vine Antennas. They were 300 GBP. I ordered from them ONLY because I just returned from London and had a pocket full of pounds that I was looking to unload.

Thank you to everyone for all your advice. I used my amp for about 20 hours on the 160M contest this weekend and it performed flawlessly.

73,

Mack de WB4MAK

3498. RE: [acom-list] Question on Tubes Please 4CX800

Yahoo group: acom-list (2010 — 2016)
Date: 2010-01-31 19:10:08 UTC
From: N2TK, Tony
Topic: 3494 Message: 3498

Hi Mack,

I had a tube fail at 6100 hours with a grid-cathode short. Cut the tube apart. You can see how the cathode insulating coating was not applied to the top of the cathode. And that is where it looks like the short occurred. I would think these tubes should last at least 10K hours unless there is a problem n the manufacturing such as what I experienced.

The days when I think I will need the amp I just leave it on. Many times I forget about it and leave it on for many days at a time. In my case the amp is hung from the basement ceiling about 2 feet below my feet. I just have the RCU in the shack. If you want to cycle it I can't think of any reason not to other than waiting the 3 minutes warm up time.

In regards to the temperature variations from tube to tube, with heavy use such as in a contest I like to see only several degrees difference between the tube temperatures at around 70 degrees or higher temp. My present set of tubes vary by about 4 degrees. Got a few sets of NOS on eBay a few years back that seem to work well. Now I hear you can get them from some US and European stores.

Well I guess the time to change tubes is when you get a grid to cathode short alarm (make sure it is not a low voltage power supply problem), or you can't get full output with 100W drive (should only take 30-60w). Other than that, let it cook.

Good luck with the amp. I have been quite happy with mine for over 10 years. And the support form Acom has been quite good.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mack WB4MAK
Sent: Sunday, January 31, 2010 8:53 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Question on Tubes Please 4CX800

I am the second owner of an Acom 2000A that is working great in every aspect but I do have a few questions. It produces full power with no errors or protection faults.

1. What is the life expectancy of the 4CX800's? I know this is a question with a lot of variables but I'm just trying to get some benchmarks. I do have a second set on order from Vine Antennas thanks to the advice of this

list.

2. I understand that you should not cycle the heaters on and off more than necessary as that is a source of failure. What are some general guidelines? Let's say that I have three nets today at 9 AM, 2PM, and 3 PM. Should I turn off the heaters between 9 AM and 2 PM or is it better just to leave them on?

3. What are the major indications you receive when the tubes need to be replaced? Is there a way to check the tubes while in the amp?

Thanks in advance. I own a lot of tube equipment but I'm just trying to get specifics related to these tubes and amp.

73,

Mack de WB4MAK

[Non-text portions of this message have been removed]

3499. Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-01 20:03:46 UTC
From: Mack WB4MAK
Topic: 3499 Message: 3499

I found a source for screws for the Acom 2000A top. These are stainless steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including shipping, for 100 screws from Fastener Express. they do not have the washer head screws but washers are also available if you need them.

http://www.fastener-express.com/index.asp?PageAction=VIEWPROD&ProdID=258\
3

73,

Mack de WB4MAK

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3500. RE: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-01 20:20:22 UTC
From: John Lemay
Topic: 3499 Message: 3500

I'm sure you can't anodize stainless steel ....

John G4ZTR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mack WB4MAK
Sent: 01 February 2010 20:04
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Screws

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73,

Mack de WB4MAK

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_____ Information from ESET NOD32 Antivirus, version of virus signature database 4824 (20100201) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

3501. RE: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-01 20:33:47 UTC
From: Mack
Topic: 3499 Message: 3501

OK. Their website says black oxide.

73,

Mack de WB4MAK

<http://www.nfarl.org/> http://www.nfarl.org

<http://www.sedxc.org/> http://www.sedxc.org

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of John Lemay
Sent: Monday, February 01, 2010 15:20
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Screws

I'm sure you can't anodize stainless steel ....

John G4ZTR

_____

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
Of Mack WB4MAK
Sent: 01 February 2010 20:04
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Acom 2000A Screws

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steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including
shipping, for 100 screws from Fastener Express. they do not have the
washer head screws but washers are also available if you need them.

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73,

Mack de WB4MAK

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_____ Information from ESET NOD32 Antivirus, version of virus signature database 4824 (20100201) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

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3502. Re: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-01 20:39:37 UTC
From: Dennis Vernacchia
Topic: 3499 Message: 3502

Why can't we just buy original replacement screws direct from ACOM ?

N6KI

On Mon, Feb 1, 2010 at 12:03 PM, Mack WB4MAK <mccormick_mack@...>wrote:

>
>
> I found a source for screws for the Acom 2000A top. These are stainless
> steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including
> shipping, for 100 screws from Fastener Express. they do not have the
> washer head screws but washers are also available if you need them.
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> http://www.fastener-express.com/index.asp?PageAction=VIEWPROD&ProdID=258\
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> 73,
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> Mack de WB4MAK
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3503. RE: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-01 22:57:10 UTC
From: Joel Kornreich
Topic: 3499 Message: 3503

You can but with amateur radio, things have to be difficult. Call up ACOM as just ask for a few extra screws. After spending nearly $7,000 do you think ACOM will say no.

> To: acom-list@yahoogroups.com
> From: n6ki73@...
> Date: Mon, 1 Feb 2010 12:39:37 -0800
> Subject: Re: [acom-list] Acom 2000A Screws
>
> Why can't we just buy original replacement screws direct from ACOM ?
>
> N6KI
>
> On Mon, Feb 1, 2010 at 12:03 PM, Mack WB4MAK <mccormick_mack@...>wrote:
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> >
> >
> > I found a source for screws for the Acom 2000A top. These are stainless
> > steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including
> > shipping, for 100 screws from Fastener Express. they do not have the
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Hotmail: Powerful Free email with security by Microsoft.
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3504. RE: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-02 05:58:50 UTC
From: Kees - pa7two
Topic: 3499 Message: 3504

Phone Acom, and maybe they send it to you free of charge, as they did with me... This firm has a real good after sales.

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: k2qbv@...
Date: Mon, 1 Feb 2010 17:57:10 -0500
Subject: RE: [acom-list] Acom 2000A Screws

You can but with amateur radio, things have to be difficult. Call up ACOM as just ask for a few extra screws. After spending nearly $7,000 do you think ACOM will say no.

> To: acom-list@yahoogroups.com

> From: n6ki73@...

> Date: Mon, 1 Feb 2010 12:39:37 -0800

> Subject: Re: [acom-list] Acom 2000A Screws

>

> Why can't we just buy original replacement screws direct from ACOM ?

>

> N6KI

>

> On Mon, Feb 1, 2010 at 12:03 PM, Mack WB4MAK <mccormick_mack@...>wrote:

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> > steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including

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> > washer head screws but washers are also available if you need them.

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> > http://www.fastener-express.com/index.asp?PageAction=VIEWPROD&ProdID=258\

> > 3<http://www.fastener-express.com/index.asp?PageAction=VIEWPROD&ProdID=2583>

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3505. Re: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-02 13:00:42 UTC
From: Brian Alsop
Topic: 3499 Message: 3505

Now if there were an easy fix for the press fit tapped "socket" that the
screws go into. There is a tendency for them to spin in place.
73 de Brian/K3KO

Kees - pa7two wrote:
>
>
> Phone Acom, and maybe they send it to you free of charge, as they did with me... This firm has a real good after sales.
>
> Vy 73, de Kees.
>
>
> To: acom-list@yahoogroups.com
> From: k2qbv@...
> Date: Mon, 1 Feb 2010 17:57:10 -0500
> Subject: RE: [acom-list] Acom 2000A Screws
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>> To: acom-list@yahoogroups.com
>
>> From: n6ki73@...
>
>> Date: Mon, 1 Feb 2010 12:39:37 -0800
>
>> Subject: Re: [acom-list] Acom 2000A Screws
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>
>> Why can't we just buy original replacement screws direct from ACOM ?
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>
>> N6KI
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>> On Mon, Feb 1, 2010 at 12:03 PM, Mack WB4MAK <mccormick_mack@...>wrote:
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3506. Replaced Tubes Today: Heater Reset Proceedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 00:59:11 UTC
From: Mack WB4MAK
Topic: 3506 Message: 3506

Today I successfully replaced the tubes in my Acom 2000A. I followed the very thorough instructions including resetting the plate currents.

Please advise if there is a way to reset the heater run time without doing a "complete" reset of the amp. I guess if that's the only way then I'll just have to set up all the USR setting again.

Thanks and loving this amp and very helpful list!

73,

Mack de WB4MAK

3507. Re: [acom-list] Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 03:51:14 UTC
From: Dennis Vernacchia
Topic: 3499 Message: 3507

When my pressed in nuts for the screws (We Buy them as "PEM NUTS here in USA) were coming loose or
fell out, I used a metal Epoxy to hold them back in place after squeezing them back in for
a pliers...I don't know what the mechanical design guy was thinking the day he selected those as
they need to be 1 size screw larger !!!

73, Dennis N6KI

On Tue, Feb 2, 2010 at 5:00 AM, Brian Alsop <alsopb@...> wrote:

>
>
> Now if there were an easy fix for the press fit tapped "socket" that the
> screws go into. There is a tendency for them to spin in place.
> 73 de Brian/K3KO
>
> Kees - pa7two wrote:
> >
> >
> > Phone Acom, and maybe they send it to you free of charge, as they did
> with me... This firm has a real good after sales.
> >
> > Vy 73, de Kees.
> >
> >
> > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > From: k2qbv@... <k2qbv%40hotmail.com>
> > Date: Mon, 1 Feb 2010 17:57:10 -0500
> > Subject: RE: [acom-list] Acom 2000A Screws
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> >
> >> To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> >
> >> From: n6ki73@... <n6ki73%40gmail.com>
> >
> >> Date: Mon, 1 Feb 2010 12:39:37 -0800
> >
> >> Subject: Re: [acom-list] Acom 2000A Screws
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> >> Why can't we just buy original replacement screws direct from ACOM ?
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> >> N6KI
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> >> On Mon, Feb 1, 2010 at 12:03 PM, Mack WB4MAK <
> mccormick_mack@... <mccormick_mack%40hotmail.com>>wrote:
> >
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> >>> I found a source for screws for the Acom 2000A top. These are stainless
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> >>> steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including
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> >>> shipping, for 100 screws from Fastener Express. they do not have the
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3508. Re: [acom-list] Replaced Tubes Today: Heater Reset Proceedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 13:00:26 UTC
From: Mike Harris
Topic: 3506 Message: 3508

G'day,

Do detailed instructions exist for the replacement of the single tube in the Acom 1000. I'm not planning on doing it any time soon but if there are any adjustments to be made i.e. standing current then it would be useful to have them in the file.

Regards,

Mike VP8NO

<snip>
Subject: [acom-list] Replaced Tubes Today: Heater Reset Proceedure

> Today I successfully replaced the tubes in my Acom 2000A. I
> followed the very thorough instructions including resetting the
> plate currents.
>
<snip>

3509. wtb acom 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 13:16:56 UTC
From: paul glassman
Topic: 3509 Message: 3509

If you are interested in selling your 2000a, please contact me.
best 73 paul w8jn
Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

3510. Re: [acom-list] Replaced Tubes Today: Heater Reset Proceedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 13:44:35 UTC
From: Jim Cox
Topic: 3506 Message: 3510

Look in the files section of the Acom reflector. Jim K4JAF

----- Original Message -----
From: Mike Harris
To: acom-list@yahoogroups.com
Sent: Wednesday, February 03, 2010 7:00 AM
Subject: Re: [acom-list] Replaced Tubes Today: Heater Reset Proceedure

G'day,

Do detailed instructions exist for the replacement of the single
tube in the Acom 1000. I'm not planning on doing it any time soon
but if there are any adjustments to be made i.e. standing current
then it would be useful to have them in the file.

Regards,

Mike VP8NO

<snip>
Subject: [acom-list] Replaced Tubes Today: Heater Reset Proceedure

> Today I successfully replaced the tubes in my Acom 2000A. I
> followed the very thorough instructions including resetting the
> plate currents.
>
<snip>

E-mail message checked by Spyware Doctor (7.0.0.514)
Database version: 6.14270
http://www.pctools.com/spyware-doctor-antivirus/

E-mail message checked by Spyware Doctor (7.0.0.514)
Database version: 6.14280
http://www.pctools.com/en/spyware-doctor-antivirus/

[Non-text portions of this message have been removed]

3511. Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 21:54:43 UTC
From: dickgreen03755
Topic: 3499 Message: 3511

> Now if there were an easy fix for the press fit tapped "socket" that the
> screws go into. There is a tendency for them to spin in place.
> 73 de Brian/K3KO

And come out, never to go back in again!

They're called pem nuts. There's a fix for them, sort of. I asked Stan at Acom what to do about the three or four of mine that have fallen out. He emailed instructions on how to use a pop rivet tool to press the nut back in again. Basically, you push the shaft of a pop rivet through the pem nut and hole in the case, position the pem nut squarely in the hole, and slip the pop rivet tool over the end of the shaft. As you use the tool to pull the shaft, the head of the rivet collapses and presses the pem nut into the hole with considerable force.

However, I found that if the hole has widened sufficiently for the pem nut to fall out, it's unlikely that it will stay in after being pressed in again. Stan anticipated this, and offered to send me some pem nuts with a slightly larger collar. The nuts are metric size and made in Europe. I tried to find them in the US, but could not. Been meaning to write to Stan to get some. Of course, once the holes widen from torquing the screws into the larger pem nuts, an even larger pem nut will be required! Bad design? Oh, yeah!

One last thing: there are some holes where it's impossible to position the rivet or rivet tool. Some can be accesses by partially disassembling the amp. It looks like others would take a lot of disassembly.

There are so many screws that I feel confident the case is as RF tight as it can be. So, it's not a high priority -- yet.

73, Dick WC1M

3512. Re: [acom-list] Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-03 22:04:50 UTC
From: Dennis Vernacchia
Topic: 3499 Message: 3512

Just use a metal epoxy after cleaning surfaces well

Just use the screw to hold the pem nut in placewhile the epoxy sets up and
don't get any epoxy on the
screw or threads of screw or pem nut

just use a toothpick to build a fillet from outside diameter ring of pem nut

and up against chassis

JB Weld may work or call your local industrial hardwarse stor or Mc Master
Carr on line and they
can advise. (Locktitie TM may also have a solution)

Using a larger diameter Pem nut is asking for same problem later

Surprised ACOM would bother to suggest that as a fix.

73, Dennis N6KI

On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@...> wrote:

>
>
> > Now if there were an easy fix for the press fit tapped "socket" that the
> > screws go into. There is a tendency for them to spin in place.
> > 73 de Brian/K3KO
>
> And come out, never to go back in again!
>
> They're called pem nuts. There's a fix for them, sort of. I asked Stan at
> Acom what to do about the three or four of mine that have fallen out. He
> emailed instructions on how to use a pop rivet tool to press the nut back in
> again. Basically, you push the shaft of a pop rivet through the pem nut and
> hole in the case, position the pem nut squarely in the hole, and slip the
> pop rivet tool over the end of the shaft. As you use the tool to pull the
> shaft, the head of the rivet collapses and presses the pem nut into the hole
> with considerable force.
>
> However, I found that if the hole has widened sufficiently for the pem nut
> to fall out, it's unlikely that it will stay in after being pressed in
> again. Stan anticipated this, and offered to send me some pem nuts with a
> slightly larger collar. The nuts are metric size and made in Europe. I tried
> to find them in the US, but could not. Been meaning to write to Stan to get
> some. Of course, once the holes widen from torquing the screws into the
> larger pem nuts, an even larger pem nut will be required! Bad design? Oh,
> yeah!

>
> One last thing: there are some holes where it's impossible to position the
> rivet or rivet tool. Some can be accesses by partially disassembling the
> amp. It looks like others would take a lot of disassembly.
>
> There are so many screws that I feel confident the case is as RF tight as
> it can be. So, it's not a high priority -- yet.
>
> 73, Dick WC1M
>
>
>

[Non-text portions of this message have been removed]

3513. Re: [acom-list] Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-04 00:19:13 UTC
From: W5OV@w5ov.com
Topic: 3499 Message: 3513

As an Acom warranty repair center, doing this "pop-rivet" fix was part of
our training and it works quite well.

The best thing to do is to avoid this problem altogether and the only way
to do that is to not press inward on any chassis screws when loosening or
tightening them. If Acom's construction is weak in any area, it is without
question these "PEM" nuts.

Do not overtighten the chassis screws when you re-install them. This will
help you in *not* needing to press inward when you try to remove the
screws the next time.

73,

Bob W5OV
Array Solutions

> Just use a metal epoxy after cleaning surfaces well
>
> Just use the screw to hold the pem nut in placewhile the epoxy sets up and
> don't get any epoxy on the
> screw or threads of screw or pem nut
>
> just use a toothpick to build a fillet from outside diameter ring of pem
> nut
>
> and up against chassis
>
> JB Weld may work or call your local industrial hardwarse stor or Mc Master
> Carr on line and they
> can advise. (Locktitie TM may also have a solution)
>
> Using a larger diameter Pem nut is asking for same problem later
>
> Surprised ACOM would bother to suggest that as a fix.
>
> 73, Dennis N6KI
>
> On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@...> wrote:
>
>>
>>
>> > Now if there were an easy fix for the press fit tapped "socket" that
>> the
>> > screws go into. There is a tendency for them to spin in place.
>> > 73 de Brian/K3KO

>>
>> And come out, never to go back in again!
>>
>> They're called pem nuts. There's a fix for them, sort of. I asked Stan
>> at
>> Acom what to do about the three or four of mine that have fallen out. He
>> emailed instructions on how to use a pop rivet tool to press the nut
>> back in
>> again. Basically, you push the shaft of a pop rivet through the pem nut
>> and
>> hole in the case, position the pem nut squarely in the hole, and slip
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>> pop rivet tool over the end of the shaft. As you use the tool to pull
>> the
>> shaft, the head of the rivet collapses and presses the pem nut into the
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>> with considerable force.
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>> However, I found that if the hole has widened sufficiently for the pem
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>> to fall out, it's unlikely that it will stay in after being pressed in
>> again. Stan anticipated this, and offered to send me some pem nuts with
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>> slightly larger collar. The nuts are metric size and made in Europe. I
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>> to find them in the US, but could not. Been meaning to write to Stan to
>> get
>> some. Of course, once the holes widen from torquing the screws into the
>> larger pem nuts, an even larger pem nut will be required! Bad design?
>> Oh,
>> yeah!
>>
>> One last thing: there are some holes where it's impossible to position
>> the
>> rivet or rivet tool. Some can be accesses by partially disassembling the
>> amp. It looks like others would take a lot of disassembly.
>>
>> There are so many screws that I feel confident the case is as RF tight
>> as
>> it can be. So, it's not a high priority -- yet.
>>
>> 73, Dick WC1M
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3514. Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-04 17:22:54 UTC
From: dickgreen03755
Topic: 3499 Message: 3514

Hi Bob,

Can we get the larger metric pem nuts from Array Solutions?

73, Dick WC1M

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> As an Acom warranty repair center, doing this "pop-rivet" fix was part of
> our training and it works quite well.
>
> The best thing to do is to avoid this problem altogether and the only way
> to do that is to not press inward on any chassis screws when loosening or
> tightening them. If Acom's construction is weak in any area, it is without
> question these "PEM" nuts.
>
> Do not overtighten the chassis screws when you re-install them. This will
> help you in *not* needing to press inward when you try to remove the
> screws the next time.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
>
>
> > Just use a metal epoxy after cleaning surfaces well
> >
> > Just use the screw to hold the pem nut in placewhile the epoxy sets up and
> > don't get any epoxy on the
> > screw or threads of screw or pem nut
> >
> > just use a toothpick to build a fillet from outside diameter ring of pem
> > nut
> >
> > and up against chassis
> >
> > JB Weld may work or call your local industrial hardwarse stor or Mc Master
> > Carr on line and they
> > can advise. (Locktitie TM may also have a solution)
> >
> > Using a larger diameter Pem nut is asking for same problem later
> >

> > Surprised ACOM would bother to suggest that as a fix.
> >
> > 73, Dennis N6KI
> >
> > On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@...> wrote:
> >
> >>
> >>
> >> > Now if there were an easy fix for the press fit tapped "socket" that
> >> the
> >> > screws go into. There is a tendency for them to spin in place.
> >> > 73 de Brian/K3KO
> >>
> >> And come out, never to go back in again!
> >>
> >> They're called pem nuts. There's a fix for them, sort of. I asked Stan
> >> at
> >> Acom what to do about the three or four of mine that have fallen out. He
> >> emailed instructions on how to use a pop rivet tool to press the nut
> >> back in
> >> again. Basically, you push the shaft of a pop rivet through the pem nut
> >> and
> >> hole in the case, position the pem nut squarely in the hole, and slip
> >> the
> >> pop rivet tool over the end of the shaft. As you use the tool to pull
> >> the
> >> shaft, the head of the rivet collapses and presses the pem nut into the
> >> hole
> >> with considerable force.
> >>
> >> However, I found that if the hole has widened sufficiently for the pem
> >> nut
> >> to fall out, it's unlikely that it will stay in after being pressed in
> >> again. Stan anticipated this, and offered to send me some pem nuts with
> >> a
> >> slightly larger collar. The nuts are metric size and made in Europe. I
> >> tried
> >> to find them in the US, but could not. Been meaning to write to Stan to
> >> get
> >> some. Of course, once the holes widen from torquing the screws into the
> >> larger pem nuts, an even larger pem nut will be required! Bad design?
> >> Oh,
> >> yeah!
> >>
> >> One last thing: there are some holes where it's impossible to position
> >> the
> >> rivet or rivet tool. Some can be accesses by partially disassembling the
> >> amp. It looks like others would take a lot of disassembly.
> >>
> >> There are so many screws that I feel confident the case is as RF tight

> >> as
> >> it can be. So, it's not a high priority -- yet.
> >>
> >> 73, Dick WC1M
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> > [Non-text portions of this message have been removed]
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3515. Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-05 20:11:50 UTC
From: kamarty456
Topic: 3499 Message: 3515

I also lost some PEM nuts on my 2000A. I went to a different direction. I ended using small sheet metal screws with success. I marked the holes so I don't force threaded screws in the wrong place.

Also, do not use any sort of power screwdriver in installing or removing the screws. You will over torque the PEM nuts and then you'll have the challenge!

Use a a pozidrive bit #1 size. It will fit better than the standard phillips #1 or #2 bit. Also "very important" use a NEW bit as typically everyone has an old favorite phillips screwdriver and the head will be worn. Remember "our SAE phillips head drivers" are for SAE screws not METRIC screws! That's another reason for buggering up the screws. The metric screws are vary soft!

Also there is no need to heavily torque the screws. Hand tighten until it won't turn ...do not give it that extra 1/4 turn!!!! you'll loosen the PEM nuts!

I found the Metric screws at "small parts" but they are not black.
Amazing how well a little spray paint can fix that!

Martin KA7GKN

The

--- In acom-list@yahoogroups.com, "Mack WB4MAK" <mccormick_mack@...> wrote:
>
> I found a source for screws for the Acom 2000A top. These are stainless
> steel, black anodized, pan head, phillips, M3 X 6 mm. $17.50, including
> shipping, for 100 screws from Fastener Express. they do not have the
> washer head screws but washers are also available if you need them.
>
> http://www.fastener-express.com/index.asp?PageAction=VIEWPROD&ProdID=258\
> 3
>
> 73,
>
> Mack de WB4MAK
>
>
>
> [Non-text portions of this message have been removed]
>

3516. RE: [acom-list] Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-06 05:37:24 UTC
From: Bob Naumann
Topic: 3499 Message: 3516

Dick,

I think we only have the normal sized ones.

I can ask Acom to send us a bunch in our next shipment.

-Bob

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of dickgreen03755
Sent: Thursday, February 04, 2010 11:23 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A Screws

Hi Bob,

Can we get the larger metric pem nuts from Array Solutions?

73, Dick WC1M

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> As an Acom warranty repair center, doing this "pop-rivet" fix was part of
> our training and it works quite well.
>
> The best thing to do is to avoid this problem altogether and the only way
> to do that is to not press inward on any chassis screws when loosening or
> tightening them. If Acom's construction is weak in any area, it is without
> question these "PEM" nuts.
>
> Do not overtighten the chassis screws when you re-install them. This will
> help you in *not* needing to press inward when you try to remove the
> screws the next time.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
>
>
> > Just use a metal epoxy after cleaning surfaces well
> >
> > Just use the screw to hold the pem nut in placewhile the epoxy sets up

and
> > don't get any epoxy on the
> > screw or threads of screw or pem nut
> >
> > just use a toothpick to build a fillet from outside diameter ring of pem
> > nut
> >
> > and up against chassis
> >
> > JB Weld may work or call your local industrial hardwarse stor or Mc
Master
> > Carr on line and they
> > can advise. (Locktitie TM may also have a solution)
> >
> > Using a larger diameter Pem nut is asking for same problem later
> >
> > Surprised ACOM would bother to suggest that as a fix.
> >
> > 73, Dennis N6KI
> >
> > On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@...> wrote:
> >
> >>
> >>
> >> > Now if there were an easy fix for the press fit tapped "socket" that
> >> the
> >> > screws go into. There is a tendency for them to spin in place.
> >> > 73 de Brian/K3KO
> >>
> >> And come out, never to go back in again!
> >>
> >> They're called pem nuts. There's a fix for them, sort of. I asked Stan
> >> at
> >> Acom what to do about the three or four of mine that have fallen out.
He
> >> emailed instructions on how to use a pop rivet tool to press the nut
> >> back in
> >> again. Basically, you push the shaft of a pop rivet through the pem nut
> >> and
> >> hole in the case, position the pem nut squarely in the hole, and slip
> >> the
> >> pop rivet tool over the end of the shaft. As you use the tool to pull
> >> the
> >> shaft, the head of the rivet collapses and presses the pem nut into the
> >> hole
> >> with considerable force.
> >>
> >> However, I found that if the hole has widened sufficiently for the pem
> >> nut
> >> to fall out, it's unlikely that it will stay in after being pressed in

> >> again. Stan anticipated this, and offered to send me some pem nuts with
> >> a
> >> slightly larger collar. The nuts are metric size and made in Europe. I
> >> tried
> >> to find them in the US, but could not. Been meaning to write to Stan to
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> >> some. Of course, once the holes widen from torquing the screws into the
> >> larger pem nuts, an even larger pem nut will be required! Bad design?
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> >> One last thing: there are some holes where it's impossible to position
> >> the
> >> rivet or rivet tool. Some can be accesses by partially disassembling
the
> >> amp. It looks like others would take a lot of disassembly.
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> >> There are so many screws that I feel confident the case is as RF tight
> >> as
> >> it can be. So, it's not a high priority -- yet.
> >>
> >> 73, Dick WC1M
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> > [Non-text portions of this message have been removed]
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Yahoo! Groups Links

3517. shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 03:19:42 UTC
From: kamarty456
Topic: 3517 Message: 3517

I am simply curious as to what everyone does in shutting down the 2000A
when they are done operating ....

For example, I allow time for the tubes to cool down to around
40C or about 104F plus or minus in the standby mode. Then I hit the on/off button on the RCU. After all is quiet I turn off the main switch on the amplifier.

When I fire up the 2000A I allow a few minutes after the initial warm up time to ensure everything is stable. After a few minutes I then get
the amp on line. I am not concerned about the warm up time or additional time I take as I turn the amp on first while I power up the rest of my station.

Martin KA7GKN

3518. Re: [acom-list] shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 03:35:34 UTC
From: Jim
Topic: 3517 Message: 3518

Marty, my turn off procedure is the same as yours. On startup, the second the 3 minute warmup ends I will start talking, that is if I am ready to talk.

73 de ke4wy Jim

Sent from my iPod

On Feb 14, 2010, at 10:19 PM, "kamarty456" <martins160@...> wrote:

> I am simply curious as to what everyone does in shutting down the
> 2000A
> when they are done operating ....
>
> For example, I allow time for the tubes to cool down to around
> 40C or about 104F plus or minus in the standby mode. Then I hit the
> on/off button on the RCU. After all is quiet I turn off the main
> switch on the amplifier.
>
> When I fire up the 2000A I allow a few minutes after the initial
> warm up time to ensure everything is stable. After a few minutes I
> then get
> the amp on line. I am not concerned about the warm up time or
> additional time I take as I turn the amp on first while I power up
> the rest of my station.
>
>
> Martin KA7GKN
>
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>
> Yahoo! Groups Links
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3519. Re: [acom-list] shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 03:45:24 UTC
From: John Peters
Topic: 3517 Message: 3519

I never turn the main switch on the amp off. I turn the amp off at the remote control when I'm through for the day. I turn it on first when something I want to chase is heard. If the temp was HIGH from a long period of heavy use, I would let the fan cool the tubes first before turning it off.

I asked ACOM about any difference in tube life between leaving it one all the time and turning it on/off like this and they recommended what I'm doing. No advantage in tube life from doing anything else.

73 John K1ER
----- Original Message -----
From: kamarty456
To: acom-list@yahoogroups.com
Sent: Sunday, February 14, 2010 5:19 PM
Subject: [acom-list] shut down start up procedure

I am simply curious as to what everyone does in shutting down the 2000A
when they are done operating ....

For example, I allow time for the tubes to cool down to around
40C or about 104F plus or minus in the standby mode. Then I hit the on/off button on the RCU. After all is quiet I turn off the main switch on the amplifier.

When I fire up the 2000A I allow a few minutes after the initial warm up time to ensure everything is stable. After a few minutes I then get
the amp on line. I am not concerned about the warm up time or additional time I take as I turn the amp on first while I power up the rest of my station.

Martin KA7GKN

[Non-text portions of this message have been removed]

3520. Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 17:20:36 UTC
From: Kees - pa7two
Topic: 3517 Message: 3520

Exactly 24 hours before the PACC
contest start I had an tube failure in an Acom 1000! It started of in
the morning time with all over sudden an increased amplification by
the tube. When CW was keyed, the frontpanel display showed a 13.5DB
amplification on 7MHz, with only 33 watt input, which resulted in a
1100+ watts out, which does not make much sense. A release of the CW
key and a re-start of a CW transmission resulted in normal amp
behaviour.

Next was a series of CW QSO's where with
some re-tuning the amp and these power spikes were shown again on the
amps frontpanel. Then during a QSO the amplifier displayed ?ARC?, lost output power and the tube
had only about 40% of max power left when the amp was re-rebooted.

I had some pre-heated tubes in stock
(in this case a 1987-11 tube, pre-heated in 2008), so I inserted such a tube in the amp,
left it running idle for 12 hours. Then I adjusted the BIAS based on ptt
only and 2.5 watts input.

After I QSO-ed a bit on half power for
about an hour or so, I decided that this was enough for the burn-in
period.

Next was the PACC TST and so the tube was exposed to medium
power for 18 hours operation in total with around 72-74 degrees Celsius temperature of the chimney.
While comparing the amplification before
and after the contest period, the tube produced on most bands an extra
0.5DB more gain, meaning it was getting used to its new environment,
just as it should.

The original tube was still running
full output power before this ?ARC? event, and never ever had any
problems during the 5,5 years usage!

Vy 73, de Kees

_____
Hotmail: Powerful Free email with security by Microsoft.
http://clk.atdmt.com/GBL/go/201469230/direct/01/

[Non-text portions of this message have been removed]

3521. Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 17:44:11 UTC
From: Hal Kennedy
Topic: 3517 Message: 3521

Classic failure Kees. If you open it up you will find the control grid has lost its shape. When dangerously close to the cathode the gain goes up....just before it touches and the gain goes to zero!

All vacuum tubes fail - that's why they are in sockets..

73
Hal N4GG

Exactly 24 hours before the PACC
contest start I had an tube failure in an Acom 1000! It started of in
----snip --------

3522. Re: shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 19:30:56 UTC
From: dickgreen03755
Topic: 3517 Message: 3522

As you know, when turned off from the RCU, the 2000A displays a message that it's waiting for the tubes to cool off. I've been skeptical that this feature actually works because I've never seen it take more than a few seconds before the 2000A shuts down. Then again, I haven't done a rigorous experiment where I heated up the tubes a lot before shutting down.

It's perfectly OK to transmit right after the warmup period has completed.

One of the things I really like about the 2000A is that it detects when the amp has been on (tubes warm), and shortens the warmup time accordingly. This is great if you accidentally turn of the amp or have to do a shutdown/startup for some reason.

I leave the power switch on all the time and turn on/off from the RCU (amp is remote from the shack, in the basement below.) The exception is during lightning system, when I turn off the 2000A and disconnect it from the AC mains.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "John Peters" <petersj007@...> wrote:
>
> I never turn the main switch on the amp off. I turn the amp off at the remote control when I'm through for the day. I turn it on first when something I want to chase is heard. If the temp was HIGH from a long period of heavy use, I would let the fan cool the tubes first before turning it off.
>
> I asked ACOM about any difference in tube life between leaving it one all the time and turning it on/off like this and they recommended what I'm doing. No advantage in tube life from doing anything else.
>
> 73 John K1ER
> ----- Original Message -----
> From: kamarty456
> To: acom-list@yahoogroups.com
> Sent: Sunday, February 14, 2010 5:19 PM
> Subject: [acom-list] shut down start up procedure
>
>
>
> I am simply curious as to what everyone does in shutting down the 2000A
> when they are done operating ....
>
> For example, I allow time for the tubes to cool down to around
> 40C or about 104F plus or minus in the standby mode. Then I hit the on/off button on the RCU. After all is quiet I turn off the main switch on the amplifier.
>
> When I fire up the 2000A I allow a few minutes after the initial warm up time to ensure everything is stable. After a few minutes I then get

> the amp on line. I am not concerned about the warm up time or additional time I take as I turn the amp on first while I power up the rest of my station.
>
> Martin KA7GKN
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

3523. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 20:00:02 UTC
From: Kees - pa7two
Topic: 3517 Message: 3523

Hi Hal,

Yes, I think in the same direction. The moment it happened was just badly choosen, just before the contest pffff, but we made it :-)

I wonder what caused this fault condition...? 5.5 years is not that old for a tube. Average 1.5 hour a day overall usage and some contests is roughly 2000 hours of usage with maybe 50% real usage (RF trans mission) at the very most?

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: halken@comcast.net
Date: Mon, 15 Feb 2010 12:44:11 -0500
Subject: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Classic failure Kees. If you open it up you will find the control grid

has lost its shape. When dangerously close to the cathode the gain goes

up....just before it touches and the gain goes to zero!

All vacuum tubes fail - that's why they are in sockets..

73

Hal N4GG

Exactly 24 hours before the PACC

contest start I had an tube failure in an Acom 1000! It started of in

----snip --------

_____
Hotmail: Trusted email with Microsoft?s powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

3524. RE: [acom-list] shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 20:18:40 UTC
From: N2TK, Tony
Topic: 3517 Message: 3524

Hi Martin,

Can□t see any reason to turn off the ON button on the amp. The power draw is low. Simply use the RCU for Power ON and OFF.

If you are going to use the amp the same day again, why even bother turning off the RCU?

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Sunday, February 14, 2010 10:20 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] shut down start up procedure

I am simply curious as to what everyone does in shutting down the 2000A when they are done operating ....

For example, I allow time for the tubes to cool down to around 40C or about 104F plus or minus in the standby mode. Then I hit the on/off button on the RCU. After all is quiet I turn off the main switch on the amplifier.

When I fire up the 2000A I allow a few minutes after the initial warm up time to ensure everything is stable. After a few minutes I then get the amp on line. I am not concerned about the warm up time or additional time I take as I turn the amp on first while I power up the rest of my station.

Martin KA7GKN

[Non-text portions of this message have been removed]

3525. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 20:58:42 UTC
From: Hal Kennedy
Topic: 3517 Message: 3525

Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of Tom's Tubes always said 3000-3500 hours was typical, although most of us seem to have better luck. Sometimes manufacturing defects can show up as an early failure. It's also possible but unlikely that the tube was not new when the amp was new. There have been supply issues off and on over the years as you know, and a few desperate measures were taken to keep shipping amps by at least one manufacturer......

Was it a 4CX or a GU74?

Hal

3526. RE: [acom-list] Re: shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 23:28:39 UTC
From: Joel Kornreich
Topic: 3517 Message: 3526

Hello Dick,

Do you think Dick that leaving on the AC main all the time shortens the GU74B tube(s) especially with voltage going through continuously? From what I remember, the counter does keep going. What do you think for I had this in mind since purchasing the A2000 two years ago.

Joel, K2QBV

To: acom-list@yahoogroups.com
From: wc1m73@...
Date: Mon, 15 Feb 2010 19:30:56 +0000
Subject: [acom-list] Re: shut down start up procedure

As you know, when turned off from the RCU, the 2000A displays a message that it's waiting for the tubes to cool off. I've been skeptical that this feature actually works because I've never seen it take more than a few seconds before the 2000A shuts down. Then again, I haven't done a rigorous experiment where I heated up the tubes a lot before shutting down.

It's perfectly OK to transmit right after the warmup period has completed.

One of the things I really like about the 2000A is that it detects when the amp has been on (tubes warm), and shortens the warmup time accordingly. This is great if you accidentally turn of the amp or have to do a shutdown/startup for some reason.

I leave the power switch on all the time and turn on/off from the RCU (amp is remote from the shack, in the basement below.) The exception is during lightning system, when I turn off the 2000A and disconnect it from the AC mains.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "John Peters" <petersj007@...> wrote:
>
> I never turn the main switch on the amp off. I turn the amp off at the remote control when I'm through for the day. I turn it on first when something I want to chase is heard. If the temp was HIGH from a long period of heavy use, I would let the fan cool the tubes first before turning it off.
>
> I asked ACOM about any difference in tube life between leaving it one all the time and turning it on/off like this and they recommended what I'm doing. No advantage in tube life from doing anything else.
>
> 73 John K1ER
> ----- Original Message -----
> From: kamarty456
> To: acom-list@yahoogroups.com
> Sent: Sunday, February 14, 2010 5:19 PM

> Subject: [acom-list] shut down start up procedure
>
>
>
> I am simply curious as to what everyone does in shutting down the 2000A
> when they are done operating ....
>
> For example, I allow time for the tubes to cool down to around
> 40C or about 104F plus or minus in the standby mode. Then I hit the on/off button on the RCU. After all is quiet I turn off the main switch on the amplifier.
>
> When I fire up the 2000A I allow a few minutes after the initial warm up time to ensure everything is stable. After a few minutes I then get
> the amp on line. I am not concerned about the warm up time or additional time I take as I turn the amp on first while I power up the rest of my station.
>
> Martin KA7GKN
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

_____
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http://clk.atdmt.com/GBL/go/201469229/direct/01/

[Non-text portions of this message have been removed]

3527. RE: [acom-list] Re: shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-15 23:52:21 UTC
From: Paul M Dunphy
Topic: 3517 Message: 3527

At 07:28 PM 2/15/2010, you wrote:

>
>
>
>
>Hello Dick,
>
>
>Do you think Dick that leaving on the AC main all the time shortens
>the GU74B tube(s) especially with voltage going through
>continuously? From what I remember, the counter does keep going.
>What do you think for I had this in mind since purchasing the A2000
>two years ago.
>
>
>
>Joel, K2QBV

With an ACOM 1000 or an ACOM 2000A, is the HV really exerted across the tubes when the MAINs switch is on? (I mean the MAINS switch on the back of the ACOM 1000, not the ON/OFF) in the front.

I can't imagine this being so. If it is so, you might as well unplug it. Granted the 1000 and 2000A are different amps, but I thought the ON/OFF on the from was all you needed to do to turn it off during moderate periods of inactivity. Were I going away for several days or more, I'd turn off the MAINS switch and unplug it, but not for an overnight period.

73, Paul VE1DX

3528. RE: [acom-list] Re: shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 00:18:00 UTC
From: N2TK, Tony
Topic: 3517 Message: 3528

At least on the 2000a the high voltage and filaments are not on until turned on by the RCU. The mains switch on the front panel just provides power to the RCU and a low voltage supply. The tubes are not affected.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Paul M Dunphy
Sent: Monday, February 15, 2010 6:52 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: shut down start up procedure

At 07:28 PM 2/15/2010, you wrote:

>
>
>
>
>Hello Dick,
>
>
>Do you think Dick that leaving on the AC main all the time shortens
>the GU74B tube(s) especially with voltage going through
>continuously? From what I remember, the counter does keep going.
>What do you think for I had this in mind since purchasing the A2000
>two years ago.
>
>
>
>Joel, K2QBV

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73, Paul VE1DX

[Non-text portions of this message have been removed]

3529. Re: [acom-list] Re: shut down start up procedure

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 00:42:41 UTC
From: John Peters
Topic: 3517 Message: 3529

OFF means off. I think only the control power to the remote remains on. When you shift from off to on the timer is counting down the time for the heaters in the tubes to warm up before applying the high voltage.

If do don't think the tubes are cooling down when the indicator says they are, watch the temperature indicator at the top of the remote. You can watch the air temperature in the chimney above the tubes as often was you want. If you don't BELIEVE it works, hold key down at 1400 watts for a short time! Then watch it cool back down at key up.

The final tube in a BC-610 used to glow like a light bulb at a kW! Didn't seem to hurt it.

I think tube life is limited by grid shorts or the creep of material in the filament over time. If the Eimac factory was still open in Calif you could look at tubes cut open to examine failure modes. I used to leave my 4CX1000A filaments on constantly in the Collins 30S1 and get about 3500 hours life. (Tubes were cheaper in the 1960s.)

The 2000A will probably outlive us all.

73 John K1ER
----- Original Message -----
From: Paul M Dunphy
To: acom-list@yahoogroups.com
Sent: Monday, February 15, 2010 1:52 PM
Subject: RE: [acom-list] Re: shut down start up procedure

At 07:28 PM 2/15/2010, you wrote:

>
>
>
>
>Hello Dick,
>
>
>Do you think Dick that leaving on the AC main all the time shortens
>the GU74B tube(s) especially with voltage going through
>continuously? From what I remember, the counter does keep going.
>What do you think for I had this in mind since purchasing the A2000
>two years ago.
>
>
>
>Joel, K2QBV

With an ACOM 1000 or an ACOM 2000A, is the HV really exerted
across the tubes when the MAINs switch is on? (I mean the MAINS
switch on the back of the ACOM 1000, not the ON/OFF) in the front.

I can't imagine this being so. If it is so, you might as well unplug it. Granted the 1000 and 2000A are different amps, but I thought the ON/OFF on the from was all you needed to do to turn it off during moderate periods of inactivity. Were I going away for several days or more, I'd turn off the MAINS switch and unplug it, but not for an overnight period.

73, Paul VE1DX

[Non-text portions of this message have been removed]

3530. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 05:22:43 UTC
From: Kees - pa7two
Topic: 3517 Message: 3530

Hi Hal,

Yes I agree. However, the actual usage of the tube, meaning putting out RF, must be a substantial lower amount of hours. Still seems pretty early to me?

It was a GU74B, the Russian tube. Acom 1000 amp.

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: halken@...
Date: Mon, 15 Feb 2010 15:58:42 -0500
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of

Tom's Tubes always said 3000-3500 hours was typical, although most of us

seem to have better luck. Sometimes manufacturing defects can show up

as an early failure. It's also possible but unlikely that the tube was

not new when the amp was new. There have been supply issues off and on

over the years as you know, and a few desperate measures were taken to

keep shipping amps by at least one manufacturer......

Was it a 4CX or a GU74?

Hal

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http://clk.atdmt.com/GBL/go/201469228/direct/01/

[Non-text portions of this message have been removed]

3531. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 12:39:20 UTC
From: N2TK, Tony
Topic: 3517 Message: 3531

Hi Kees,
I got 6100 hours of power ON time before I got a grid to cathode short with a GU74B in the 2000A. The second tube failed at about 7000 hours. I cut one apart. It looks like the cathode white insulation was not properly installed on the cathode. Or else from operation it "flowed" down the cathode to cause a high resistance "short" between the grid and cathode?
To me 7K hours seems low compared to the 8874's I used to have in a pair of Alphas. And those I pushed a lot harder.

73,
N2TK, Tony

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Tuesday, February 16, 2010 12:23 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Hal,

Yes I agree. However, the actual usage of the tube, meaning putting out RF, must be a substantial lower amount of hours. Still seems pretty early to me?

It was a GU74B, the Russian tube. Acom 1000 amp.

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: halken@...
Date: Mon, 15 Feb 2010 15:58:42 -0500
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of

Tom's Tubes always said 3000-3500 hours was typical, although most of us

seem to have better luck. Sometimes manufacturing defects can show up

as an early failure. It's also possible but unlikely that the tube was

not new when the amp was new. There have been supply issues off and on

over the years as you know, and a few desperate measures were taken to

keep shipping amps by at least one manufacturer......

Was it a 4CX or a GU74?

Hal

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http://clk.atdmt.com/GBL/go/201469228/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

3532. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 14:20:02 UTC
From: Kees - pa7two
Topic: 3517 Message: 3532

Hi Tony,

Thanks for your reply.

The Svetlana specs as listed here: http://www.df6na.de/df6na/gu74b.htm (Datasheet 1) says a minimum of only 1000 hours of usage for a GU74B... If that is the case, 3000 hours is average lifetime and anything beyond is a bonus?

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: tony.kaz@...
Date: Tue, 16 Feb 2010 07:39:20 -0500
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Kees,

I got 6100 hours of power ON time before I got a grid to cathode short with

a GU74B in the 2000A. The second tube failed at about 7000 hours. I cut one

apart. It looks like the cathode white insulation was not properly installed

on the cathode. Or else from operation it "flowed" down the cathode to cause

a high resistance "short" between the grid and cathode?

To me 7K hours seems low compared to the 8874's I used to have in a pair of

Alphas. And those I pushed a lot harder.

73,

N2TK, Tony

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of Kees - pa7two

Sent: Tuesday, February 16, 2010 12:23 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Hal,

Yes I agree. However, the actual usage of the tube, meaning putting out RF,

must be a substantial lower amount of hours. Still seems pretty early to me?

It was a GU74B, the Russian tube. Acom 1000 amp.

Vy 73, de Kees.

To: acom-list@yahoogroups.com

From: halken@...

Date: Mon, 15 Feb 2010 15:58:42 -0500

Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of

Tom's Tubes always said 3000-3500 hours was typical, although most of us

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Hal

_____

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http://clk.atdmt.com/GBL/go/201469227/direct/01/

[Non-text portions of this message have been removed]

3533. Serial Numbers not matching

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 14:45:37 UTC
From: Rainer
Topic: 3533 Message: 3533

I receive following message after the preheating is finished:
------Serial Numbers not matching ------
In the description I din`t find any info to this message however, that error approximately 5 sek then it switches in the background, the function of the amplifier is not limited.

The backup battery behind the front panel is ok = 3.3V DC.

3534. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 14:46:40 UTC
From: N2TK, Tony
Topic: 3517 Message: 3534

Interesting with only 1000 hours. I wonder how that compares to their supposedly new 4CX800's?

73,
N2TK, Tony

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Tuesday, February 16, 2010 9:20 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Tony,

Thanks for your reply.

The Svetlana specs as listed here: http://www.df6na.de/df6na/gu74b.htm (Datasheet 1) says a minimum of only 1000 hours of usage for a GU74B... If that is the case, 3000 hours is average lifetime and anything beyond is a bonus?

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: tony.kaz@...
Date: Tue, 16 Feb 2010 07:39:20 -0500
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Kees,

I got 6100 hours of power ON time before I got a grid to cathode short with

a GU74B in the 2000A. The second tube failed at about 7000 hours. I cut one

apart. It looks like the cathode white insulation was not properly installed

on the cathode. Or else from operation it "flowed" down the cathode to cause

a high resistance "short" between the grid and cathode?

To me 7K hours seems low compared to the 8874's I used to have in a pair of

Alphas. And those I pushed a lot harder.

73,

N2TK, Tony

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of Kees - pa7two

Sent: Tuesday, February 16, 2010 12:23 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Hal,

Yes I agree. However, the actual usage of the tube, meaning putting out RF,

must be a substantial lower amount of hours. Still seems pretty early to me?

It was a GU74B, the Russian tube. Acom 1000 amp.

Vy 73, de Kees.

To: acom-list@yahoogroups.com

From: halken@...

Date: Mon, 15 Feb 2010 15:58:42 -0500

Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of

Tom's Tubes always said 3000-3500 hours was typical, although most of us

seem to have better luck. Sometimes manufacturing defects can show up

as an early failure. It's also possible but unlikely that the tube was

not new when the amp was new. There have been supply issues off and on

over the years as you know, and a few desperate measures were taken to

keep shipping amps by at least one manufacturer......

Was it a 4CX or a GU74?

Hal

_____

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http://clk.atdmt.com/GBL/go/201469228/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

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http://clk.atdmt.com/GBL/go/201469227/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

3535. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 15:40:02 UTC
From: ny9h
Topic: 3517 Message: 3535

At 09:46 AM 2/16/2010, you wrote:
>Interesting with only 1000 hours. I wonder how that compares to their
>supposedly new 4CX800's?

perhaps that was a VERY conservative rating for the russian military....
to avoid issues with an unforgiving customer.

in the us = CYA
in russia ?????

bill

3536. Re: [acom-list] Serial Numbers not matching

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 16:08:18 UTC
From: la7sl Nils Petter
Topic: 3533 Message: 3536

Nothing to worry about !
This means that the RCU (control box) has been replaced
or mixed up with a similar unit somewhere, some time.
The PA and the RCU is produced and numbered as pairs
at the factory. This does not in any way influence operation.
Nothing to worry about !
Peter

----- Original Message -----
From: Rainer
To: acom-list@yahoogroups.com
Sent: Tuesday, February 16, 2010 3:45 PM
Subject: [acom-list] Serial Numbers not matching

I receive following message after the preheating is finished:
------Serial Numbers not matching ------
In the description I din`t find any info to this message however, that error approximately
5 sek then it switches in the background, the function of the amplifier is not limited.

The backup battery behind the front panel is ok = 3.3V DC.

[Non-text portions of this message have been removed]

3537. Re: Serial Numbers not matching

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 17:05:12 UTC
From: kamarty456
Topic: 3533 Message: 3537

If you find that message distracting you can eliminate it.
As said earlier it has no effect on the operation of the amplifier!

You need to do a "reset of the memory" The manual discusses this in detail. You will end up losing your user set amp adjustments, the hours run time will reset to zero..essentially you are returning the RCU back to default.

Press and hold the ESC button and turn on the main power switch on the amp. This process should take 5 seconds or so to complete.
page 23 section 5-7 of manual details what will happen.

After you reset the unit the "serial numbers not matching" error message will be gone.

You will then have to have your amplifier relearn your antennas and settings...not a big deal.

Martin KA7GKN

3538. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-16 19:58:58 UTC
From: Kees - pa7two
Topic: 3538 Message: 3538

Hi Bill,

Yes indeed, that could be the case.

Vy 73, de Kees.

To: acom-list@yahoogroups.com
From: ny9h@...
Date: Tue, 16 Feb 2010 10:40:02 -0500
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

At 09:46 AM 2/16/2010, you wrote:

>Interesting with only 1000 hours. I wonder how that compares to their

>supposedly new 4CX800's?

perhaps that was a VERY conservative rating for the russian military....

to avoid issues with an unforgiving customer.

in the us = CYA

in russia ?????

bill

_____
Hotmail: Trusted email with Microsoft?s powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469226/direct/01/

[Non-text portions of this message have been removed]

3539. RCU running time in hours

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-19 03:21:52 UTC
From: kamarty456
Topic: 3539 Message: 3539

This question has come up a number of times..
"What does the hour indication tell you?"

I refer you to message #608 dated Oct 4, 2001 from Krassy.

He tells you that the time indicated is telling you how many hours the heater [voltage] is applied to the tubes.
Thus with the amp main switch on and the RCU in "off" the display not lit..the time is not counted.

When you press "ON" on the RCU and power is applied and the amp is in operation or standby the clock is counting. [RCU display lit]

So..I have 3600+ run hours on my 2000A meaning the tubes have their heater voltage applied and running for that total time [not very accurate but close enough]

Hope this helps

Martin KA7GKN

3540. Extending the RCU separation distance?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-19 20:59:32 UTC
From: w8mm
Topic: 3540 Message: 3540

Hi All,

I really want to put my 2000A about 150 cable feet (~50 meters) away from my operating position.

Has anyone tried this? What sort of contraption might be required to amplify or drive a longer cable?

Thanks in advance,

Mike - W8MM

3541. Re: [acom-list] Extending the RCU separation distance?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-19 21:58:51 UTC
From: Mel Whitten
Topic: 3540 Message: 3541

Mike,

You might be able to do with just a good
"cable" since the baud rate is so low
(1200, I think).

http://tldp.org/HOWTO/Remote-Serial-Console-HOWTO/serial-distance.html

Or an elegant soultion would be:
http://www.minicom.com/kvm_232.htm

Use google and search for RS232 + extender
for more...

Mel
k0pfx

----- Original Message -----
From: w8mm
To: acom-list@yahoogroups.com
Sent: Friday, February 19, 2010 2:59 PM
Subject: [acom-list] Extending the RCU separation distance?

Hi All,

I really want to put my 2000A about 150 cable feet (~50 meters) away from my operating position.

Has anyone tried this? What sort of contraption might be required to amplify or drive a longer cable?

Thanks in advance,

Mike - W8MM

[Non-text portions of this message have been removed]

3542. RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-19 22:09:48 UTC
From: KD3TB
Topic: 3517 Message: 3542

How do you tell how many hours of operation with the Acom 1000 on the LCD screen? My Acom 1000 is now 8 years old. With my Elecraft K3 radio, it only takes about 30 to 40 watts to drive the amplifier to full power and I am wonder if the tube is getting a little old? I have the tube serial number listed in the manual from Will as 4128/11?

Thanks, Irwin KD3TB

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of N2TK, Tony
Sent: Tuesday, February 16, 2010 9:47 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Interesting with only 1000 hours. I wonder how that compares to their supposedly new 4CX800's?

73,
N2TK, Tony

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
Of Kees - pa7two
Sent: Tuesday, February 16, 2010 9:20 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Tony,

Thanks for your reply.

The Svetlana specs as listed here: http://www.df6na.de/df6na/gu74b.htm (Datasheet 1) says a minimum of only 1000 hours of usage for a GU74B... If that is the case, 3000 hours is average lifetime and anything beyond is a bonus?

Vy 73, de Kees.

To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
From: tony.kaz@... <mailto:tony.kaz%40verizon.net>
Date: Tue, 16 Feb 2010 07:39:20 -0500
Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Kees,

I got 6100 hours of power ON time before I got a grid to cathode short with

a GU74B in the 2000A. The second tube failed at about 7000 hours. I cut one apart. It looks like the cathode white insulation was not properly installed on the cathode. Or else from operation it "flowed" down the cathode to cause a high resistance "short" between the grid and cathode?

To me 7K hours seems low compared to the 8874's I used to have in a pair of Alphas. And those I pushed a lot harder.

73,

N2TK, Tony

-----Original Message-----

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf

Of Kees - pa7two

Sent: Tuesday, February 16, 2010 12:23 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Hi Hal,

Yes I agree. However, the actual usage of the tube, meaning putting out RF, must be a substantial lower amount of hours. Still seems pretty early to me?

It was a GU74B, the Russian tube. Acom 1000 amp.

Vy 73, de Kees.

To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

From: halken@... <mailto:halken%40comcast.net>

Date: Mon, 15 Feb 2010 15:58:42 -0500

Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage

Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of Tom's Tubes always said 3000-3500 hours was typical, although most of us seem to have better luck. Sometimes manufacturing defects can show up as an early failure. It's also possible but unlikely that the tube was not new when the amp was new. There have been supply issues off and on

over the years as you know, and a few desperate measures were taken to

keep shipping amps by at least one manufacturer......

Was it a 4CX or a GU74?

Hal

_____

Hotmail: Free, trusted and rich email service.

http://clk.atdmt.com/GBL/go/201469228/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

_____
Hotmail: Trusted email with powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469227/direct/01/

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

3543. Re: Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-20 10:49:16 UTC
From: Ger
Topic: 3517 Message: 3543

Irwin,

If you only need 30-40W drive to get full power, then you tube is in top notch condition. When properly loaded and tuned the gain should be around 12,5 dB on all bands and on 50Mhz around 14 dB.
See also on this forum in the file where you can find a document with all tube regime parameters as received from Stan.
Protection parameters + tube regime ACOM 1000.doc

73's Ger PE1CZG

--- In acom-list@yahoogroups.com, "KD3TB" <idarack@...> wrote:
>
> How do you tell how many hours of operation with the Acom 1000 on the LCD
> screen? My Acom 1000 is now 8 years old. With my Elecraft K3 radio, it
> only takes about 30 to 40 watts to drive the amplifier to full power and I
> am wonder if the tube is getting a little old? I have the tube serial
> number listed in the manual from Will as 4128/11?
>
>
>
> Thanks, Irwin KD3TB
>
>
>
>
>
>
>
>
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of N2TK, Tony
> Sent: Tuesday, February 16, 2010 9:47 AM
> To: acom-list@...m
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage
>
>
>
>
>
>
> Interesting with only 1000 hours. I wonder how that compares to their
> supposedly new 4CX800's?
>

> 73,
> N2TK, Tony
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of Kees - pa7two
> Sent: Tuesday, February 16, 2010 9:20 AM
> To: ACOM Reflector site
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage
>
> Hi Tony,
>
> Thanks for your reply.
>
> The Svetlana specs as listed here: http://www.df6na.de/df6na/gu74b.htm
> (Datasheet 1) says a minimum of only 1000 hours of usage for a GU74B... If
> that is the case, 3000 hours is average lifetime and anything beyond is a
> bonus?
>
> Vy 73, de Kees.
>
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> From: tony.kaz@... <mailto:tony.kaz%40verizon.net>
> Date: Tue, 16 Feb 2010 07:39:20 -0500
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage
>
> Hi Kees,
>
> I got 6100 hours of power ON time before I got a grid to cathode short with
>
> a GU74B in the 2000A. The second tube failed at about 7000 hours. I cut one
>
> apart. It looks like the cathode white insulation was not properly installed
>
> on the cathode. Or else from operation it "flowed" down the cathode to cause
>
> a high resistance "short" between the grid and cathode?
>
> To me 7K hours seems low compared to the 8874's I used to have in a pair of
>
> Alphas. And those I pushed a lot harder.
>
> 73,
>
> N2TK, Tony
>
> -----Original Message-----
>

> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
>
> Of Kees - pa7two
>
> Sent: Tuesday, February 16, 2010 12:23 AM
>
> To: ACOM Reflector site
>
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage
>
> Hi Hal,
>
> Yes I agree. However, the actual usage of the tube, meaning putting out RF,
>
> must be a substantial lower amount of hours. Still seems pretty early to me?
>
> It was a GU74B, the Russian tube. Acom 1000 amp.
>
> Vy 73, de Kees.
>
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>
> From: halken@... <mailto:halken%40comcast.net>
>
> Date: Mon, 15 Feb 2010 15:58:42 -0500
>
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of usage
>
> Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of
>
> Tom's Tubes always said 3000-3500 hours was typical, although most of us
>
> seem to have better luck. Sometimes manufacturing defects can show up
>
> as an early failure. It's also possible but unlikely that the tube was
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> not new when the amp was new. There have been supply issues off and on
>
> over the years as you know, and a few desperate measures were taken to
>
> keep shipping amps by at least one manufacturer......
>
> Was it a 4CX or a GU74?
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> Hal
>
>
>

> --
>
> Hotmail: Free, trusted and rich email service.
>
> http://clk.atdmt.com/GBL/go/201469228/direct/01/
>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
>
>
> --
> Hotmail: Trusted email with powerful SPAM protection.
> http://clk.atdmt.com/GBL/go/201469227/direct/01/
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

3544. RE: [acom-list] Re: Tube replacement Acom 1000 after 5.5 years of usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-20 13:52:22 UTC
From: KD3TB
Topic: 3517 Message: 3544

Thanks, currently driving with only 30 watts and getting about 700 watts out on CW.

Irwin

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ger
Sent: Saturday, February 20, 2010 5:49 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Tube replacement Acom 1000 after 5.5 years of usage

Irwin,

If you only need 30-40W drive to get full power, then you tube is in top notch condition. When properly loaded and tuned the gain should be around 12,5 dB on all bands and on 50Mhz around 14 dB.
See also on this forum in the file where you can find a document with all tube regime parameters as received from Stan.
Protection parameters + tube regime ACOM 1000.doc

73's Ger PE1CZG

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , "KD3TB" <idarack@...> wrote:
>
> How do you tell how many hours of operation with the Acom 1000 on the LCD
> screen? My Acom 1000 is now 8 years old. With my Elecraft K3 radio, it
> only takes about 30 to 40 watts to drive the amplifier to full power and I
> am wonder if the tube is getting a little old? I have the tube serial
> number listed in the manual from Will as 4128/11?
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> Thanks, Irwin KD3TB
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> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
> Of N2TK, Tony
> Sent: Tuesday, February 16, 2010 9:47 AM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of
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>
>
>
>
>
> Interesting with only 1000 hours. I wonder how that compares to their
> supposedly new 4CX800's?
>
> 73,
> N2TK, Tony
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of Kees - pa7two
> Sent: Tuesday, February 16, 2010 9:20 AM
> To: ACOM Reflector site
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of
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> Hi Tony,
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> Thanks for your reply.
>
> The Svetlana specs as listed here: http://www.df6na.de/df6na/gu74b.htm
> (Datasheet 1) says a minimum of only 1000 hours of usage for a GU74B... If
> that is the case, 3000 hours is average lifetime and anything beyond is a
> bonus?
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> Vy 73, de Kees.
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> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
> From: tony.kaz@... <mailto:tony.kaz%40verizon.net>
> Date: Tue, 16 Feb 2010 07:39:20 -0500
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of
usage
>
> Hi Kees,
>

> I got 6100 hours of power ON time before I got a grid to cathode short
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>
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> To me 7K hours seems low compared to the 8874's I used to have in a pair
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> Alphas. And those I pushed a lot harder.
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> 73,
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> N2TK, Tony
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> -----Original Message-----
>
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>] On
> Behalf
>
> Of Kees - pa7two
>
> Sent: Tuesday, February 16, 2010 12:23 AM
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> To: ACOM Reflector site
>
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of
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>
> Hi Hal,
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> Yes I agree. However, the actual usage of the tube, meaning putting out
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> must be a substantial lower amount of hours. Still seems pretty early to
me?
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> It was a GU74B, the Russian tube. Acom 1000 amp.
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> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
>
> From: halken@... <mailto:halken%40comcast.net>
>
> Date: Mon, 15 Feb 2010 15:58:42 -0500
>
> Subject: RE: [acom-list] Tube replacement Acom 1000 after 5.5 years of
usage
>
> Well Kees, 5.5 years at 1.5 hours a day is around 3,000 hours. Tom of
>
> Tom's Tubes always said 3000-3500 hours was typical, although most of us
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> keep shipping amps by at least one manufacturer......
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> Was it a 4CX or a GU74?
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> Hal
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>
>
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> Hotmail: Free, trusted and rich email service.
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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
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> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

3545. Acom 1000 tube usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-20 14:46:20 UTC
From: Paul M Dunphy
Topic: 3545 Message: 3545

At 09:52 AM 2/20/2010, you wrote:
>Thanks, currently driving with only 30 watts and getting about 700 watts out
>on CW.
>
>
>
>Irwin

I'm still interested in the original question. Does anyone know
if there is a menu display that will give you the tube hours on an
ACOM 1000? I know the 2000A, with many more bells and whistles, will
do it. However, I just have the 1000. :-)

73, Paul VE1DX

3546. Re: Extending the RCU separation distance?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-20 14:46:15 UTC
From: w8mm
Topic: 3540 Message: 3546

Mel,

Thanks so much for the reply.

As I look at the schematic (suggested here:
http://groups.yahoo.com/group/acom-list/message/2552), I see on page 39 that the RCU connection has some connections that might confuse RS-232 extender gizmos. I don't think the +/- 18v connections on pins 1 & 9 being ground instead would mess up, but pins 2,3 & 5 are completely different from what would be expected.

I think it's down to making up a cable from Belden 9683, or some such, with really low capacitance and trying to pair up the pins in a thoughtful way.

Mike - W8MM

--- In acom-list@yahoogroups.com, "Mel Whitten" <mel@...> wrote:
>
> Mike,
>
> You might be able to do with just a good
> "cable" since the baud rate is so low
> (1200, I think).
>
> http://tldp.org/HOWTO/Remote-Serial-Console-HOWTO/serial-distance.html
>
> Or an elegant soultion would be:
> http://www.minicom.com/kvm_232.htm
>
> Use google and search for RS232 + extender
> for more...
>
> Mel
> k0pfx
>
>
> ----- Original Message -----
> From: w8mm
> To: acom-list@yahoogroups.com
> Sent: Friday, February 19, 2010 2:59 PM
> Subject: [acom-list] Extending the RCU separation distance?
>
>
>
> Hi All,
>
> I really want to put my 2000A about 150 cable feet (~50 meters) away from my operating

position.
>
> Has anyone tried this? What sort of contraption might be required to amplify or drive a longer cable?
>
> Thanks in advance,
>
> Mike - W8MM
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

3547. Re: [acom-list] Acom 1000 tube usage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-20 19:12:54 UTC
From: Mike Harris
Topic: 3545 Message: 3547

G'day,

No tube hours on the '1000

Regards,

Mike VP8NO

----- Original Message -----
From: "Paul M Dunphy" <amplifier@...>
To: <acom-list@yahoogroups.com>
Sent: Saturday, February 20, 2010 11:46 AM
Subject: [acom-list] Acom 1000 tube usage

> At 09:52 AM 2/20/2010, you wrote:
>>Thanks, currently driving with only 30 watts and getting about 700
>>watts out
>>on CW.
>>
>>
>>
>>Irwin
>
>
> I'm still interested in the original question. Does anyone
> know
> if there is a menu display that will give you the tube hours on an
> ACOM 1000? I know the 2000A, with many more bells and whistles,
> will
> do it. However, I just have the 1000. :-)
>
> 73, Paul VE1DX

3548. RE: [acom-list] Re: Extending the RCU separation distance?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-22 13:05:10 UTC
From: Bob Naumann
Topic: 3540 Message: 3548

The only similarity between the Acom 2000A remote control and RS232 is the use of the DB9 connector. It is not RS232.

Acom already offers a 10m extension cable for the Acom 2000. You could conceivably make one longer, or hook multiples of them together to reach the 150'.

That said, 150' is a long way. What's the reason for this distance?

Aside from turning it on and off, you don't need to touch the amp in most circumstances at all. Maybe there is a simpler alternative?

-Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of w8mm
Sent: Saturday, February 20, 2010 8:46 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Extending the RCU separation distance?

Mel,

Thanks so much for the reply.

As I look at the schematic (suggested here: http://groups.yahoo.com/group/acom-list/message/2552), I see on page 39 that the RCU connection has some connections that might confuse RS-232 extender gizmos. I don't think the +/- 18v connections on pins 1 & 9 being ground instead would mess up, but pins 2,3 & 5 are completely different from what would be expected.

I think it's down to making up a cable from Belden 9683, or some such, with really low capacitance and trying to pair up the pins in a thoughtful way.

Mike - W8MM

--- In acom-list@yahoogroups.com, "Mel Whitten" <mel@...> wrote:
>
> Mike,
>
> You might be able to do with just a good
> "cable" since the baud rate is so low
> (1200, I think).
>
> http://tldp.org/HOWTO/Remote-Serial-Console-HOWTO/serial-distance.html
>
> Or an elegant soultion would be:

> http://www.minicom.com/kvm_232.htm
>
> Use google and search for RS232 + extender
> for more...
>
> Mel
> k0pfx
>
>
> ----- Original Message -----
> From: w8mm
> To: acom-list@yahoogroups.com
> Sent: Friday, February 19, 2010 2:59 PM
> Subject: [acom-list] Extending the RCU separation distance?
>
>
>
> Hi All,
>
> I really want to put my 2000A about 150 cable feet (~50 meters) away
from my operating position.
>
> Has anyone tried this? What sort of contraption might be required to
amplify or drive a longer cable?
>
> Thanks in advance,
>
> Mike - W8MM
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

Yahoo! Groups Links

3549. Re: [acom-list] Re: Extending the RCU separation distance?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-25 11:54:13 UTC
From: ny9h
Topic: 3540 Message: 3549

I'd plan on having some 31 ferrites handy,,,,
i made up a nice 15 foot and got rf into something....
it got scary for a bit ,,,, i forgot what happened , but ferrites
calmed it .,..

http://picasaweb.google.com/Bill.SteffeySr/HamRadioNY9H#5309374146062716674

bill /3

i am now using a family friend's broadband,,,,

using $80 wifi "repeater" and some used wifi antennas from ebay...
from my friends house up 150 feet & a mile away (south) to his
silos.....where the repeater is mounted....@ 30'.... my place is 2
miles north from the silos..and up another 250 feet.

AND IT SEEMS TO BE STILL WORKING HOLY COW #@^#@$#@....

3550. High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 13:26:21 UTC
From: kristinnandersen
Topic: 3550 Message: 3550

Hi:

I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.

Now, for the automobile option I would need to consider at least two things:

- Are there inverters available (or schematics for home brewing), capable of transforming the required power?

- An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?

Any comments would be appreciated. 73 - Kristinn, TF3KX

3551. RE: [acom-list] High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 13:40:09 UTC
From: Bob Naumann
Topic: 3550 Message: 3551

A generator is probably the best way to go in this case but even that will need to be a fairly stout generator to provide 10A @ 240v or 20A @ 120v.

The inefficiency of inverting low voltage DC to (relatively) high voltage AC is not good. Regulation would be very poor and you'd end up drawing very high current from the batteries. 10A on 240v equates to ~200A on 12v. There are commercial solutions for this, but they are very, very expensive.

The other option would be to use a smaller DC mobile amplifier (400w or so) intended to be run off of car batteries. Even with this, it will draw something like 50A when you transmit so you will need a couple of HD batteries and a very HD alternator in the vehicle. Some HD pickup trucks have dual batteries and heavy duty alternators that allow you to do this sort of thing more easily.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kristinnandersen
Sent: Friday, February 26, 2010 7:26 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] High power 12V inverter for Acom mobile?

Hi:

I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.

Now, for the automobile option I would need to consider at least two things:

- Are there inverters available (or schematics for home brewing), capable of transforming the required power?

- An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?

Any comments would be appreciated. 73 - Kristinn, TF3KX

Yahoo! Groups Links

3552. Re: Serial Numbers not matching

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 14:10:26 UTC
From: Rainer
Topic: 3533 Message: 3552

--- In acom-list@yahoogroups.com, "Rainer" <dj2uu@...> wrote:
>
> I receive following message after the preheating is finished:
> ------Serial Numbers not matching ------
> In the description I din`t find any info to this message however, that error approximately 5 sek then it switches in the background, the function of the amplifier is not limited.
>
> The backup battery behind the front panel is ok = 3.3V DC.
>
thank you Nils and Martin for your help, after the reset the message didn`t appears.

vy 73, Rainer DJ2UU

3553. Re: [acom-list] High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 15:27:20 UTC
From: Martin Andrew
Topic: 3550 Message: 3553

I would go in the generator direction.
There are two types of inverter, pure sine wave and what can only be described as a rough square wave type.
The pure sine wave will work, but (a big one) they are very expensive and possibly not made to cope with around
1.5Kw output, maybe a bit high but on the safe side.
The other type will more than likely give you very poor transmission reports at best, and may damage the amplifier
at worst.
Current out from a battery pack would be in the order of 100 Ampere, which is very high. I doubt you could keep the batteries
charged unless you have a generator.
There are a few places that advertise on Ebay and other places on internet, a company in Germany springs to mind but I cannot
find an address for them
So a good 2 Kw generator would (and is) my choice.
Yes problems carrying fuel and spare oil, but it does work,
I use this arrangement frequently in a motorhome working portable on 50Mhz and
above. Yes the generator weighs nearly 40Kg and is a real pain to load and unload but all I need is gas (50 litres available) to power it
and a small cover to keep the rain off.

Martin, GM6VXB
----- Original Message -----
From: kristinnandersen
To: acom-list@yahoogroups.com
Sent: Friday, February 26, 2010 1:26 PM
Subject: [acom-list] High power 12V inverter for Acom mobile?

Hi:

I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.

Now, for the automobile option I would need to consider at least two things:

- Are there inverters available (or schematics for home brewing), capable of transforming the required power?

- An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?

Any comments would be appreciated. 73 - Kristinn, TF3KX

[Non-text portions of this message have been removed]

3554. Re: [acom-list] High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 19:42:44 UTC
From: la7sl Nils Petter
Topic: 3550 Message: 3554

A question here about cw/ssb and generators :
I have never tried running QRO CW/SSB from a generator,- but I did ask
a generator salesman about the subject when planning a dx-pedition that
was never realized. He asked me about the ratio between standby/steady
power consumption and peak power consumption,- the rate/time rise
from stby to full power and the cycling time... It was pretty easy to explain that
I would go from a couple of hundred watts to full load in milliseconds and probably
several times per second as we do in CW and SSB. He then told me that I had to
buy (or rent) a generator capable of supplying at least twice the required peak power
and then ballast (load) it with a steady load (like an electric heater etc) equal to half
the peak power required. Definitely NOT an economical solution !! The reason,- he
explained,
was that if not done that way the generator voltage and/or speed control could collapse or
get so confused that you could easily damage connected equipment...
I believed at that time that the man was just trying to make good business...
Later I asked a good friend who used to mix sound/light at big outdoor music events about
this.
He told me that FOR EXACTLY the same reason they would always use a ballast load...which
could be steady lights OR big electric heaters !!! That is: If they ran off generators
Now to my question : has anybody on this group any experience with QRO CW/SSB and marginal
generators like the 2 KW unit mentioned in this thread for powering Acom 1000 plus TX ????
I would be very interested to hear !!! Is this rule about 50% steady load a professional
standard
only,- meaning : As amateurs, for occasional use without strict reliability requirements,
will we
get major problems or not using a 2KW gen powering 1.5 KW in CW/SSB ??
"Peter"

----- Original Message -----
From: Martin Andrew
To: acom-list@yahoogroups.com
Sent: Friday, February 26, 2010 4:27 PM
Subject: Re: [acom-list] High power 12V inverter for Acom mobile?

I would go in the generator direction.
There are two types of inverter, pure sine wave and what can only be described as a rough
square wave type.
The pure sine wave will work, but (a big one) they are very expensive and possibly not made
to cope with around
1.5Kw output, maybe a bit high but on the safe side.
The other type will more than likely give you very poor transmission reports at best, and
may damage the amplifier
at worst.
Current out from a battery pack would be in the order of 100 Ampere, which is very high. I
doubt you could keep the batteries

charged unless you have a generator.
There are a few places that advertise on Ebay and other places on internet, a company in Germany springs to mind but I cannot
find an address for them
So a good 2 Kw generator would (and is) my choice.
Yes problems carrying fuel and spare oil, but it does work,
I use this arrangement frequently in a motorhome working portable on 50Mhz and
above. Yes the generator weighs nearly 40Kg and is a real pain to load and unload but all I need is gas (50 litres available) to power it
and a small cover to keep the rain off.

Martin, GM6VXB
----- Original Message -----
From: kristinnandersen
To: acom-list@yahoogroups.com
Sent: Friday, February 26, 2010 1:26 PM
Subject: [acom-list] High power 12V inverter for Acom mobile?

Hi:

I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.

Now, for the automobile option I would need to consider at least two things:

- Are there inverters available (or schematics for home brewing), capable of transforming the required power?

- An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?

Any comments would be appreciated. 73 - Kristinn, TF3KX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3555. Re: [acom-list] High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 20:58:00 UTC
From: Callum MØMCX
Topic: 3550 Message: 3555

For info, I have a 3kW inverter on my boat which is fed from 4 x 110 ah batteries. The inverter also charges the battery bank however, i specified a 240v, 5kW generator output and it can take 8 to 10 hours of solid charging to get the bank up to full charge. However, i'm sure i could operate at around 400w for a few hours before 240v line shut down - but the complexity and expense is heavy.

The most efficient method of storing small to medium energy requirements is in the form of diesel. Get a generator.

Callum McCormick
Via iPhone
07976 631881
http://www.m0mcx.co.uk/
http://www.barclayanderson.com/

On 26 Feb 2010, at 15:27, "Martin Andrew" <martin.andrew@...> wrote:

> I would go in the generator direction.
> There are two types of inverter, pure sine wave and what can only be
> described as a rough square wave type.
> The pure sine wave will work, but (a big one) they are very
> expensive and possibly not made to cope with around
> 1.5Kw output, maybe a bit high but on the safe side.
> The other type will more than likely give you very poor transmission
> reports at best, and may damage the amplifier
> at worst.
> Current out from a battery pack would be in the order of 100 Ampere,
> which is very high. I doubt you could keep the batteries
> charged unless you have a generator.
> There are a few places that advertise on Ebay and other places on
> internet, a company in Germany springs to mind but I cannot
> find an address for them
> So a good 2 Kw generator would (and is) my choice.
> Yes problems carrying fuel and spare oil, but it does work,
> I use this arrangement frequently in a motorhome working portable on
> 50Mhz and
> above. Yes the generator weighs nearly 40Kg and is a real pain to
> load and unload but all I need is gas (50 litres available) to power
> it
> and a small cover to keep the rain off.
>
> Martin, GM6VXB
> ----- Original Message -----
> From: kristinnandersen

> To: acom-list@yahoogroups.com
> Sent: Friday, February 26, 2010 1:26 PM
> Subject: [acom-list] High power 12V inverter for Acom mobile?
>
> Hi:
>
> I am contemplating operating my Acom 1000 from a place where there
> is no commercial electricity. So, there are at least two options -
> using a diesel/gas fueled generator, or possibly using an inverter
> to convert the 12V automobile voltage up to 230V AC.
>
> Now, for the automobile option I would need to consider at least two
> things:
>
> - Are there inverters available (or schematics for home brewing),
> capable of transforming the required power?
>
> - An ordinary car battery will not provide the necessary power. But
> would a bank of parallel batteries do the job, assuming that my duty
> cycle is low enough to allow the car alternator to keep them
> charged? Any suggestions on how to wire this up?
>
> Any comments would be appreciated. 73 - Kristinn, TF3KX
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

3556. Re: [acom-list] High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-02-26 22:36:53 UTC
From: Callum MØMCX
Topic: 3550 Message: 3556

We use an 8kW generator with an Acom 2k. Mostly with ssb but also some cw experience. Never thought about the loading although we often put a 1000w light on to force some voltage drop from no-load 253 volts to 248 volts when drawing 1000w.

Maybe we should always leave the 1k load on..?

Callum McCormick
Via iPhone
07976 631881
http://www.m0mcx.co.uk/
http://www.barclayanderson.com/

On 26 Feb 2010, at 19:42, "la7sl Nils Petter" <la7sl@norgespost.no> wrote:

> A question here about cw/ssb and generators :
> I have never tried running QRO CW/SSB from a generator,- but I did ask
> a generator salesman about the subject when planning a dx-pedition
> that
> was never realized. He asked me about the ratio between standby/steady
> power consumption and peak power consumption,- the rate/time rise
> from stby to full power and the cycling time... It was pretty easy
> to explain that
> I would go from a couple of hundred watts to full load in
> milliseconds and probably
> several times per second as we do in CW and SSB. He then told me
> that I had to
> buy (or rent) a generator capable of supplying at least twice the
> required peak power
> and then ballast (load) it with a steady load (like an electric
> heater etc) equal to half
> the peak power required. Definitely NOT an economical solution !!
> The reason,- he explained,
> was that if not done that way the generator voltage and/or speed
> control could collapse or
> get so confused that you could easily damage connected equipment...
> I believed at that time that the man was just trying to make good
> business...
> Later I asked a good friend who used to mix sound/light at big
> outdoor music events about this.
> He told me that FOR EXACTLY the same reason they would always use a
> ballast load...which
> could be steady lights OR big electric heaters !!! That is: If they
> ran off generators
> Now to my question : has anybody on this group any experience with

> QRO CW/SSB and marginal
> generators like the 2 KW unit mentioned in this thread for powering
> Acom 1000 plus TX ????
> I would be very interested to hear !!! Is this rule about 50% steady
> load a professional standard
> only,- meaning : As amateurs, for occasional use without strict
> reliability requirements, will we
> get major problems or not using a 2KW gen powering 1.5 KW in CW/SSB ??
> "Peter"
>
> ----- Original Message -----
> From: Martin Andrew
> To: acom-list@yahoogroups.com
> Sent: Friday, February 26, 2010 4:27 PM
> Subject: Re: [acom-list] High power 12V inverter for Acom mobile?
>
> I would go in the generator direction.
> There are two types of inverter, pure sine wave and what can only be
> described as a rough square wave type.
> The pure sine wave will work, but (a big one) they are very
> expensive and possibly not made to cope with around
> 1.5Kw output, maybe a bit high but on the safe side.
> The other type will more than likely give you very poor transmission
> reports at best, and may damage the amplifier
> at worst.
> Current out from a battery pack would be in the order of 100 Ampere,
> which is very high. I doubt you could keep the batteries
> charged unless you have a generator.
> There are a few places that advertise on Ebay and other places on
> internet, a company in Germany springs to mind but I cannot
> find an address for them
> So a good 2 Kw generator would (and is) my choice.
> Yes problems carrying fuel and spare oil, but it does work,
> I use this arrangement frequently in a motorhome working portable on
> 50Mhz and
> above. Yes the generator weighs nearly 40Kg and is a real pain to
> load and unload but all I need is gas (50 litres available) to power
> it
> and a small cover to keep the rain off.
>
> Martin, GM6VXB
> ----- Original Message -----
> From: kristinnandersen
> To: acom-list@yahoogroups.com
> Sent: Friday, February 26, 2010 1:26 PM
> Subject: [acom-list] High power 12V inverter for Acom mobile?
>
> Hi:
>
> I am contemplating operating my Acom 1000 from a place where there

> is no commercial electricity. So, there are at least two options -
> using a diesel/gas fueled generator, or possibly using an inverter
> to convert the 12V automobile voltage up to 230V AC.
>
> Now, for the automobile option I would need to consider at least two
> things:
>
> - Are there inverters available (or schematics for home brewing),
> capable of transforming the required power?
>
> - An ordinary car battery will not provide the necessary power. But
> would a bank of parallel batteries do the job, assuming that my duty
> cycle is low enough to allow the car alternator to keep them
> charged? Any suggestions on how to wire this up?
>
> Any comments would be appreciated. 73 - Kristinn, TF3KX
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

3557. Re: High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-01 08:29:51 UTC
From: pa5dd
Topic: 3550 Message: 3557

As many others I would recommend you to go for a generator. Preferably one with a Diesel engine, because of the higher turning mass, that is an advantage with a variable load (CW/SSB). Diesels are also by far more economic to run.

I would recommend one of the chinese Changfa generators (YANMAR clones). They are cheap, and have good fuel ecomomy. Downside is that they are noisy. They are sold under many names, but all looks something like this:

http://www.pump.co.uk/images/library/stock/feature/CED4000_XE.jpg

I bought a Changfa with a CF178F engine/generator a couple of years ago for 330 euros, and I have run the ACOM1000 on it with no problems.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "kristinnandersen" <tf3kx@...> wrote:
>
> Hi:
>
> I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.
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> Now, for the automobile option I would need to consider at least two things:
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> - Are there inverters available (or schematics for home brewing), capable of transforming the required power?
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> - An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?
>
> Any comments would be appreciated. 73 - Kristinn, TF3KX
>

3558. Re: High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-01 08:31:29 UTC
From: pa5dd
Topic: 3550 Message: 3558

A picture of my generator:

http://home.hccnet.nl/uffe.noucha/van/genea.jpg

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "pa5dd" <pa5dd@...> wrote:
>
> As many others I would recommend you to go for a generator. Preferably one with a Diesel engine, because of the higher turning mass, that is an advantage with a variable load (CW/SSB). Diesels are also by far more economic to run.
>
> I would recommend one of the chinese Changfa generators (YANMAR clones). They are cheap, and have good fuel ecomomy. Downside is that they are noisy. They are sold under many names, but all looks something like this:
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> http://www.pump.co.uk/images/library/stock/feature/CED4000_XE.jpg
>
> I bought a Changfa with a CF178F engine/generator a couple of years ago for 330 euros, and I have run the ACOM1000 on it with no problems.
>
> 73 Uffe PA5DD
>
> --- In acom-list@yahoogroups.com, "kristinnandersen" <tf3kx@> wrote:
> >
> > Hi:
> >
> > I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.
> >
> > Now, for the automobile option I would need to consider at least two things:
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> > - Are there inverters available (or schematics for home brewing), capable of transforming the required power?
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> > - An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?
> >
> > Any comments would be appreciated. 73 - Kristinn, TF3KX
> >
>

3559. Re: [acom-list] Re: High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-01 17:11:12 UTC
From: Zbyszek Blechacz
Topic: 3550 Message: 3559

Hi to all
CED 4000 seems to be 2.6kVA with pik 3.okVA I really wonder how it can run ACOM + transciver especially in CW mode when current jumps so qickly. From experience we know that one can use only 75% of listed power it means in this case 1.9kVA but with steady load !! and engine is working very hard.
My experience with Honda 2.6 kVA is terrible - Icom 706 in 100W CW cannot work - every dip of voltage is switching off transceiver. I have to reduce power to 60!!!W . It will run small refrigerator some lamps and TV set that's all there is no way to connect Air Conditioner!! Every change in load makes big fluctuation of revolutions, V, frequency (should be 50 Hz but it depends on revolutions) and annoying change of sound from generator.
I fully agree with salesman who described generator and half load connected in order to maintain V somehow stabil, it is exactly how generators works and power 2.6 kW or even 4kW means nothing in this case.
In my opinion mobile PA 400-500W is more then enough even with simply wire antennas in the area without electricity - it is much easier to charge batteries. My emergency set up is : Icom connected to batteries which are connected to the charger -so bateries are charged during every break in transmitting..
So before you buy generator think twice (ACOM is quite expensive toy) and the best is rent it for two three days and make a tests...
Kristinn whish you luck
Zbig 9L1BTB

From: pa5dd <pa5dd@...>
To: acom-list@yahoogroups.com
Sent: Mon, March 1, 2010 8:29:51 AM
Subject: [acom-list] Re: High power 12V inverter for Acom mobile?

As many others I would recommend you to go for a generator. Preferably one with a Diesel engine, because of the higher turning mass, that is an advantage with a variable load (CW/SSB). Diesels are also by far more economic to run.

I would recommend one of the chinese Changfa generators (YANMAR clones). They are cheap, and have good fuel ecomomy. Downside is that they are noisy. They are sold under many names, but all looks something like this:

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I bought a Changfa with a CF178F engine/generator a couple of years ago for 330 euros, and I have run the ACOM1000 on it with no problems.

73 Uffe PA5DD

--- In acom-list@yahoogrou ps.com, "kristinnandersen" <tf3kx@...> wrote:
>
> Hi:

>
> I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.
>
> Now, for the automobile option I would need to consider at least two things:
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> - Are there inverters available (or schematics for home brewing), capable of transforming the required power?
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> Any comments would be appreciated. 73 - Kristinn, TF3KX
>

[Non-text portions of this message have been removed]

3560. Re: [acom-list] High power 12V inverter for Acom mobile?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-01 18:17:10 UTC
From: la7sl Nils Petter
Topic: 3550 Message: 3560

----- Original Message -----
From: Zbyszek Blechacz
To: la7sl@norgespost.no
Sent: Monday, March 01, 2010 6:21 PM
Subject: [SPAM] Re: [acom-list] High power 12V inverter for Acom mobile?

HI Peter
Salesman is fully right - it works exactly as he said. And still is a big risk due to instability while load is changing rapidly...
You have to believe me I am 9 years in Sierra Leone and generators always were making us crazy...
If you can - stay away from them for radio purposes of course. If you have to - use them to charge batteries and connect Radio to the batteries.
Zbig 9L1BTB
****

Hi Zbig !
Thank you for sharing your experience ! Yes--it also seemed very logical
to me when I got time to think it over !
I think maybe the problem could be less by adding a very heavy turnwheel
to the generator driveshaft. That would give it more inertia as a result of a bigger
rotating mass,- and should result in more ability to handle fast load variations....
but it would be a VERY heavy generator :-)
Another method might be to use a generator to charge batteries as you say,- but
by using a constant current charging circuit...this way the generator would not see
any load variations at all...BUT a constant current charger needs to be switched off when batteries
are full and on when needed...this brings up the need for a slow turn on /turn off of the charger
(to avoid generator load peaks) while providing constant current under charge..an AC generator would
probably be most practical
as AC is more easily controlled (voltage etc) : Using AC one could control the generator field
more easily for this purpose. The current control and on/off (ramping up/down) could then easily
be done with a low power circuit...eliminating the need for a large charger.
I am not into automobile electrics...but it would not surprise me much if suitable circuits could be
bought at automobile supply shops !! One could then use an inverter for generating necessary 230V
AC ,- for example. These are available commercially with very high power capability...but are expensive !
A system like this would completely isolate the load variations from the generator...and it would

provide UPS (uniterruptible power supply) so that one could stop the generator for refueling etc...
One would need a fairly large battery bank !! This system is NOT practical for portable use,- but would be
ideal for stationary use in remote locations,- providing very stable and secure power and probably
also result in much less generator wear. I have a feeling I just re-invented the wheel ? :-)
You can buy these systems commercially....that is: If you are very rich :-)
by using large batteries you could of course get away without the current control/ramping circuit...
but then you would still see large rapid variations in generator load, despite the batteries...at least running QRO.
The above described system would also call for a much smaller generator as it only needs to supply
the average power...and you can average that over as long a time-period that load and battery capacity
allows for.
I think I have just gotten myself a summer project ! Where is that lawn mower ? And I do have an AC generator
in my car ?? :-)
Peter

From: la7sl Nils Petter <la7sl@...>
To: acom-list@yahoogroups.com
Sent: Fri, February 26, 2010 7:42:44 PM
Subject: Re: [acom-list] High power 12V inverter for Acom mobile?

A question here about cw/ssb and generators :
I have never tried running QRO CW/SSB from a generator,- but I did ask
a generator salesman about the subject when planning a dx-pedition that
was never realized. He asked me about the ratio between standby/steady
power consumption and peak power consumption, - the rate/time rise
from stby to full power and the cycling time... It was pretty easy to explain that
I would go from a couple of hundred watts to full load in milliseconds and probably
several times per second as we do in CW and SSB. He then told me that I had to
buy (or rent) a generator capable of supplying at least twice the required peak power
and then ballast (load) it with a steady load (like an electric heater etc) equal to half the peak power required. Definitely NOT an economical solution !! The reason,- he explained,
was that if not done that way the generator voltage and/or speed control could collapse or get so confused that you could easily damage connected equipment...
I believed at that time that the man was just trying to make good business...
Later I asked a good friend who used to mix sound/light at big outdoor music events about this.
He told me that FOR EXACTLY the same reason they would always use a ballast load...which could be steady lights OR big electric heaters !!! That is: If they ran off generators
Now to my question : has anybody on this group any experience with QRO CW/SSB and marginal generators like the 2 KW unit mentioned in this thread for powering Acom 1000 plus TX ????
I would be very interested to hear !!! Is this rule about 50% steady load a professional

standard
only,- meaning : As amateurs, for occasional use without strict reliability requirements, will we
get major problems or not using a 2KW gen powering 1.5 KW in CW/SSB ??
"Peter"

----- Original Message -----
From: Martin Andrew
To: acom-list@yahoogrou ps.com
Sent: Friday, February 26, 2010 4:27 PM
Subject: Re: [acom-list] High power 12V inverter for Acom mobile?

I would go in the generator direction.
There are two types of inverter, pure sine wave and what can only be described as a rough square wave type.
The pure sine wave will work, but (a big one) they are very expensive and possibly not made to cope with around
1.5Kw output, maybe a bit high but on the safe side.
The other type will more than likely give you very poor transmission reports at best, and may damage the amplifier
at worst.
Current out from a battery pack would be in the order of 100 Ampere, which is very high. I doubt you could keep the batteries
charged unless you have a generator.
There are a few places that advertise on Ebay and other places on internet, a company in Germany springs to mind but I cannot
find an address for them
So a good 2 Kw generator would (and is) my choice.
Yes problems carrying fuel and spare oil, but it does work,
I use this arrangement frequently in a motorhome working portable on 50Mhz and
above. Yes the generator weighs nearly 40Kg and is a real pain to load and unload but all I need is gas (50 litres available) to power it
and a small cover to keep the rain off.

Martin, GM6VXB
----- Original Message -----
From: kristinnandersen
To: acom-list@yahoogrou ps.com
Sent: Friday, February 26, 2010 1:26 PM
Subject: [acom-list] High power 12V inverter for Acom mobile?

Hi:

I am contemplating operating my Acom 1000 from a place where there is no commercial electricity. So, there are at least two options - using a diesel/gas fueled generator, or possibly using an inverter to convert the 12V automobile voltage up to 230V AC.

Now, for the automobile option I would need to consider at least two things:

- Are there inverters available (or schematics for home brewing), capable of transforming the required power?

- An ordinary car battery will not provide the necessary power. But would a bank of parallel batteries do the job, assuming that my duty cycle is low enough to allow the car alternator to keep them charged? Any suggestions on how to wire this up?

Any comments would be appreciated. 73 - Kristinn, TF3KX

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3561. RCU temperature display question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-03 02:41:23 UTC
From: kamarty456
Topic: 3561 Message: 3561

How accurate are the displayed temperatures of the exhaust air?

For example:

I get a displayed reading for both tubes at say 53c [127f]
I have an external temperature probe directly above the exhaust
expanded metal openings and I get a variance. I see about 104f [40c]

I know the sensors are fairly close to the top of the chimneys
I do not have any variation when I move the external probe between the front or rear exhausts.

The external temperature monitor is accurate.

I am not overly concerned as the amp is performing perfectly. But recently I did have to calibrate the line voltage displayed on the RCU.
I discussed this in another posting.

This may be nit picking but anyone know what the tolerances are for any readings on the RCU?

Martin KA7GKN

3562. For sale Acom 10 position Switch

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-03 05:40:53 UTC
From: kg4lru@aol.com
Topic: 3562 Message: 3562

Acom 2000 antenna switch computer controll

10 pos 5 KW anti Hot switching RS 232 Fully auto with any Acom 2000A amp. Just back from Acom has been gone through also comes with 150 ft cable with connectors . Null modem cable to connect to your 2000 A amp ,Switch can be connected via RS 232 cable so perfect remote operation. This is the daddy of all switches. You get the selector box wired for 110/220 the antenna switch the bracket to hold the switch at the tower ,150 ft of cable ,Null modem cable for your amp . This can be used with any station as stand loan and still can be computer controlled

Retail New 895.00 Sell for 399.via three days Pay pal ok or Money order

[Non-text portions of this message have been removed]

3563. Re: [acom-list] For sale Acom 10 position Switch

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-03 06:20:09 UTC
From: Mel Whitten
Topic: 3562 Message: 3563

This switch also works well with the Flex radios under control of the DDutil program.

Mel, K0PFX

----- Original Message -----
From: kg4lru@...
To: acom-list@yahoogroups.com
Sent: Tuesday, March 02, 2010 11:40 PM
Subject: [acom-list] For sale Acom 10 position Switch

Acom 2000 antenna switch computer controll

10 pos 5 KW anti Hot switching RS 232 Fully auto with any Acom 2000A amp. Just back from Acom has been gone through also comes with 150 ft cable with connectors . Null modem cable to connect to your 2000 A amp ,Switch can be connected via RS 232 cable so perfect remote operation. This is the daddy of all switches. You get the selector box wired for 110/220 the antenna switch the bracket to hold the switch at the tower ,150 ft of cable ,Null modem cable for your amp . This can be used with any station as stand loan and still can be computer controlled

Retail New 895.00 Sell for 399.via three days Pay pal ok or Money order

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3565. RE: [acom-list] Check out my photos on Facebook

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-05 18:53:27 UTC
From: Joel Kornreich
Topic: 3564 Message: 3565

Sorry about the facebook error. My daughter gets carried away and did this. Will try to remove same.

To: acom-list@yahoogroups.com
From: k2qbv@hotmail.com
Date: Fri, 5 Mar 2010 07:32:30 -0800
Subject: [acom-list] Check out my photos on Facebook

Hi,

I set up a Facebook profile where I can post my pictures, videos and events and I want to add you as a friend so you can see it. First, you need to join Facebook! Once you join, you can also create your own profile.

Thanks,
Joel

To sign up for Facebook, follow the link below:
http://www.facebook.com/p.php?i=100000879511069&k=Z6E3Y563326F6DMJP1W2SUXTPPIB42XLTVARD&r

Already have an account? Add this email address to your account http://www.facebook.com/n/?merge_accounts.php&e=acom-list@yahoogroups.com&c=b4c77d4ba8989482a55f1dda59b46a34.acom-list@yahoogroups.com was invited to join Facebook by Joel Kornreich. If you do not wish to receive this type of email from Facebook in the future, please click on the link below to unsubscribe.
http://www.facebook.com/o.php?k=b89583&u=1287219735&mid=1fb213cG4cb96a17G0G8
Facebook's offices are located at 1601 S. California Ave., Palo Alto, CA 94304.

[Non-text portions of this message have been removed]

Hotmail: Trusted email with powerful SPAM protection.
http://clk.atdmt.com/GBL/go/201469227/direct/01/

[Non-text portions of this message have been removed]

3566. Re: [acom-list] Check out my photos on Facebook

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-06 02:57:58 UTC
From: Stan King
Topic: 3564 Message: 3566

Why is this a subject for this reflector?

----- Original Message -----
From: "Joel Kornreich" <k2qbv@...>
To: <acom-list@yahoogroups.com>
Sent: Friday, March 05, 2010 1:53 PM
Subject: RE: [acom-list] Check out my photos on Facebook

>
>
> Sorry about the facebook error. My daughter gets carried away and did
> this. Will try to remove same.
>
>
> To: acom-list@yahoogroups.com
> From: k2qbv@...
> Date: Fri, 5 Mar 2010 07:32:30 -0800
> Subject: [acom-list] Check out my photos on Facebook
>
>
>
>
>
> Hi,
>
> I set up a Facebook profile where I can post my pictures, videos and
> events and I want to add you as a friend so you can see it. First, you
> need to join Facebook! Once you join, you can also create your own
> profile.
>
> Thanks,
> Joel
>
> To sign up for Facebook, follow the link below:
>
http://www.facebook.com/p.php?i=100000879511069&k=Z6E3Y563326F6DMJP1W2SUXTPPIB42XLTVARD&r
>
> Already have an account? Add this email address to your account
> http://www.facebook.com/n/?merge_accounts.php&e=acom-list@yahoogroups.com&c=b4c77d4ba898
9482a55f1dda59b46a34.acom-list@yahoogroups.com
> was invited to join Facebook by Joel Kornreich. If you do not wish to
> receive this type of email from Facebook in the future, please click on
> the link below to unsubscribe.
> http://www.facebook.com/o.php?k=b89583&u=1287219735&mid=1fb213cG4cb96a17G0G8
> Facebook's offices are located at 1601 S. California Ave., Palo Alto, CA

> 94304.
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> --
> Hotmail: Trusted email with powerful SPAM protection.
> http://clk.atdmt.com/GBL/go/201469227/direct/01/
>
> [Non-text portions of this message have been removed]
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>
> ------------------------------------
>
> Yahoo! Groups Links
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3567. Acom 1010 Schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-06 15:03:51 UTC
From: ulf.tjerneld
Topic: 3567 Message: 3567

Does anyone have the Acom 1010 schematics to upload?

3568. Just a reminder.....

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-06 20:48:02 UTC
From: kamarty456
Topic: 3568 Message: 3568

It's time for all of you to visit your Acom amplifier air filters
and clean them...dirty filters reduce air flow and then you can have
problems!

Take the time to clean them and dust off the amplifier!

I live in Arizona where it's dusty! I clean my air filters
every 3 months! By doing this I have experienced very little accumulation of the dreaded
dust bunnies and other dust inside
the amplifier! I do blow out the inside of the amplifier every
two years, whether it needs it or not.

I bring this up to the group as it's a chore we often forget to
address and preventive maintenance is a lot cheaper than those
unplanned failures and repairs!

Martin KA7GKN

3569. RE: [acom-list] Just a reminder.....

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-06 21:45:00 UTC
From: Jim
Topic: 3568 Message: 3569

Marty, It's been a while since I cleaned the filter.

Thanks for the reminder.

73 de KE4WY Jim

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Saturday, March 06, 2010 3:48 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Just a reminder.....

It's time for all of you to visit your Acom amplifier air filters
and clean them...dirty filters reduce air flow and then you can have
problems!

Take the time to clean them and dust off the amplifier!

I live in Arizona where it's dusty! I clean my air filters
every 3 months! By doing this I have experienced very little accumulation of
the dreaded dust bunnies and other dust inside
the amplifier! I do blow out the inside of the amplifier every
two years, whether it needs it or not.

I bring this up to the group as it's a chore we often forget to
address and preventive maintenance is a lot cheaper than those
unplanned failures and repairs!

Martin KA7GKN

Yahoo! Groups Links

_____ Information from ESET Smart Security, version of virus signature database 4921 (20100306) _____

The message was checked by ESET Smart Security.

http://www.eset.com

_____ Information from ESET Smart Security, version of virus signature database 4921 (20100306) _____

The message was checked by ESET Smart Security.

http://www.eset.com

3570. RE: [acom-list] Acom 1010 Schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-07 14:11:08 UTC
From: Robin Del
Topic: 3567 Message: 3570

Hi Ulf,

I sent you all you need

Check your email

Robin

VA2NRJ

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ulf.tjerneld
Sent: 6-Mar-10 10:04
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1010 Schematics

Does anyone have the Acom 1010 schematics to upload?

[Non-text portions of this message have been removed]

3571. Help!! G2 Low voltage - burnt smell - How to get to Low Voltage Board

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-09 01:46:05 UTC
From: nu6x
Topic: 3571 Message: 3571

Yesterday, twice my Acom 2000A faulted with a G2 Low voltage - 196V. The amp had been in OPR but had not TX for over an hour. I smelled a burnt resisitor smell. I also noticed hot air from the tubes even though I had not transmitted for over an hour. After taking it apart I carefully search everything I can see and can NOT find which part went up in smoke.

After putting it back together, the amp would come back up in the operation position but sometimes would put out hot air (50 C with no drive). I started monitoring the Grid Bias Voltage and notice it was jumping around from 75v - 125V. Again no drive. Now it as stablized (lst 24 hours) at -125 in OPR, and -80 in TX with no drive. It now seems to be working OK but still have left over burnt smell. I don't know what caused the original G2 Low Volatage faults but screen voltage is now at 340V. I'm wondering if the bias failed, causing it to heat up and then somehow this caused the Screen voltage to drop.

I suspect LOW Voltage Supply board. Is there any trick to removing it???
Any ideas what part may have burnt? Any suggestions on what caused the original fault?

The amp is 3 years old but with only 265 total hours.
Thanks in advance!!! Mark NU6X Sedona, AZ

3572. Re: [acom-list] Help!! G2 Low voltage - burnt smell - How to get to Low Voltage Board

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-09 04:35:21 UTC
From: Dennis Vernacchia
Topic: 3571 Message: 3572

Did you open the cover on bottom of the Acom and check inside there,

be sure to also look at filament connector toward back of amp.
I know the earlier ones use to burn but not sure if newer amps
experience that problem .....

73, Dennsi N6KI

On Mon, Mar 8, 2010 at 5:46 PM, nu6x <nu6x@...> wrote:

>
>
> Yesterday, twice my Acom 2000A faulted with a G2 Low voltage - 196V. The
> amp had been in OPR but had not TX for over an hour. I smelled a burnt
> resisitor smell. I also noticed hot air from the tubes even though I had not
> transmitted for over an hour. After taking it apart I carefully search
> everything I can see and can NOT find which part went up in smoke.
>
> After putting it back together, the amp would come back up in the operation
> position but sometimes would put out hot air (50 C with no drive). I started
> monitoring the Grid Bias Voltage and notice it was jumping around from 75v -
> 125V. Again no drive. Now it as stablized (lst 24 hours) at -125 in OPR, and
> -80 in TX with no drive. It now seems to be working OK but still have left
> over burnt smell. I don't know what caused the original G2 Low Volatage
> faults but screen voltage is now at 340V. I'm wondering if the bias failed,
> causing it to heat up and then somehow this caused the Screen voltage to
> drop.
>
> I suspect LOW Voltage Supply board. Is there any trick to removing it???
> Any ideas what part may have burnt? Any suggestions on what caused the
> original fault?
>
> The amp is 3 years old but with only 265 total hours.
> Thanks in advance!!! Mark NU6X Sedona, AZ
>
>
>

[Non-text portions of this message have been removed]

3573. Re: Help!! G2 Low voltage - burnt smell - How to get to Low Voltage Board

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-09 12:58:21 UTC
From: billdz.geo
Topic: 3571 Message: 3573

Mark,

Sorry to hear about your problem. I had to work on the Low Voltage board once. It's doable but not easy, because you have to remove the High Voltage boards to get to it. I posted photos at:
http://groups.yahoo.com/group/acom-list/photos/album/316703771/pic/list?mode=tn&order=ordinal&start=1&dir=asc

73, Bill NZ5N

--- In acom-list@yahoogroups.com, "nu6x" <nu6x@...> wrote:
>
> Yesterday, twice my Acom 2000A faulted with a G2 Low voltage - 196V. The amp had been in OPR but had not TX for over an hour. I smelled a burnt resisitor smell. I also noticed hot air from the tubes even though I had not transmitted for over an hour. After taking it apart I carefully search everything I can see and can NOT find which part went up in smoke.
>
> After putting it back together, the amp would come back up in the operation position but sometimes would put out hot air (50 C with no drive). I started monitoring the Grid Bias Voltage and notice it was jumping around from 75v - 125V. Again no drive. Now it as stablized (lst 24 hours) at -125 in OPR, and -80 in TX with no drive. It now seems to be working OK but still have left over burnt smell. I don't know what caused the original G2 Low Volatage faults but screen voltage is now at 340V. I'm wondering if the bias failed, causing it to heat up and then somehow this caused the Screen voltage to drop.
>
> I suspect LOW Voltage Supply board. Is there any trick to removing it???
> Any ideas what part may have burnt? Any suggestions on what caused the original fault?
>
> The amp is 3 years old but with only 265 total hours.
> Thanks in advance!!! Mark NU6X Sedona, AZ
>

3574. High power 12V inverter for Acom mobile

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-13 05:27:14 UTC
From: ollicat2003
Topic: 3574 Message: 3574

Reading some messages it seems generators are not reliable
even with 100 watt only.
On Dx-peditions generators are the only way to get power
Does anyone know if there is a "top-level generator" ?
Thanks

3575. Re: [acom-list] High power 12V inverter for Acom mobile

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-13 07:36:12 UTC
From: John Peters
Topic: 3574 Message: 3575

The HONDA 5kW (or similar) all worked fine, reliable, low noise on Swains Island. All three DXpeditions! KH8SI twice and N8S. I would stick with those.

John K1ER
----- Original Message -----
From: ollicat2003
To: acom-list@yahoogroups.com
Sent: Friday, March 12, 2010 7:27 PM
Subject: [acom-list] High power 12V inverter for Acom mobile

Reading some messages it seems generators are not reliable
even with 100 watt only.
On Dx-peditions generators are the only way to get power
Does anyone know if there is a "top-level generator" ?
Thanks

[Non-text portions of this message have been removed]

3576. Re: [acom-list] High power 12V inverter for Acom mobile

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-13 08:58:21 UTC
From: la7sl Nils Petter
Topic: 3574 Message: 3576

Agreed !

But Honda has several different models for each power range !
Some of them are simple,-relatively low cost units = not suitable.
The only recommended Honda series for these applications is the
Honda EU series with inverter and processor control. They are
not cheap.. but they can do it ! And they are quiet too !! Just make
sure that your power demand does not exceed 75 % of the generators
max capacity. It is the inverter that does the trick. I have followed a
discussion on a group dealing with high power audio systems and they
came to the very same conclusion.
Peter

----- Original Message -----
From: John Peters
To: acom-list@yahoogroups.com
Sent: Saturday, March 13, 2010 8:36 AM
Subject: Re: [acom-list] High power 12V inverter for Acom mobile

The HONDA 5kW (or similar) all worked fine, reliable, low noise on Swains Island. All three DXpeditions! KH8SI twice and N8S. I would stick with those.

John K1ER
----- Original Message -----
From: ollicat2003
To: acom-list@yahoogroups.com
Sent: Friday, March 12, 2010 7:27 PM
Subject: [acom-list] High power 12V inverter for Acom mobile

Reading some messages it seems generators are not reliable
even with 100 watt only.
On Dx-peditions generators are the only way to get power
Does anyone know if there is a "top-level generator" ?
Thanks

[Non-text portions of this message have been removed]

No virus found in this outgoing message.
Checked by AVG - www.avg.com
Version: 9.0.790 / Virus Database: 271.1.1/2742 - Release Date: 03/12/10 20:33:00

[Non-text portions of this message have been removed]

3577. Re: [acom-list] High power 12V inverter for Acom mobile

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-13 09:00:58 UTC
From: Callum MØMCX
Topic: 3574 Message: 3577

I don't think you can give generators such a broad brush write-off.
There are generators out there that will deliver instant high-demand.
I know, i have one - although it's got an 8kw constant load capacity.
Every high powered field-day station in the world uses diesel
generation. It's well proven.

Inverters running off battery banks topped off with a constant
generator will be much, much more expensive and heavy.

In terms of storing power reliably, and letting it go in a controlled
fashion, deisel is still the winner.

I don't know the specific answer to your question but i've used
several generators with different clubs over the years and never
suffered a problem.

Callum McCormick
Via iPhone
07976 631881
http://www.m0mcx.co.uk/
http://www.barclayanderson.com/

On 13 Mar 2010, at 05:27, "ollicat2003" <tique07@...> wrote:

> Reading some messages it seems generators are not reliable
> even with 100 watt only.
> On Dx-peditions generators are the only way to get power
> Does anyone know if there is a "top-level generator" ?
> Thanks
>
>

[Non-text portions of this message have been removed]

3578. Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-13 16:44:24 UTC
From: daslin73
Topic: 3499 Message: 3578

Bob,
Keep us posted when they arrive!
Dave
WJ6O

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> Dick,
>
> I think we only have the normal sized ones.
>
> I can ask Acom to send us a bunch in our next shipment.
>
> -Bob
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of dickgreen03755
> Sent: Thursday, February 04, 2010 11:23 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 2000A Screws
>
> Hi Bob,
>
> Can we get the larger metric pem nuts from Array Solutions?
>
> 73, Dick WC1M
>
> --- In acom-list@yahoogroups.com, W5OV@ wrote:
> >
> > As an Acom warranty repair center, doing this "pop-rivet" fix was part of
> > our training and it works quite well.
> >
> > The best thing to do is to avoid this problem altogether and the only way
> > to do that is to not press inward on any chassis screws when loosening or
> > tightening them. If Acom's construction is weak in any area, it is without
> > question these "PEM" nuts.
> >
> > Do not overtighten the chassis screws when you re-install them. This will
> > help you in *not* needing to press inward when you try to remove the
> > screws the next time.
> >
> > 73,
> >
> > Bob W5OV

> > Array Solutions
> >
> >
> >
> >
> >
> > > Just use a metal epoxy after cleaning surfaces well
> > >
> > > Just use the screw to hold the pem nut in placewhile the epoxy sets up
> and
> > > don't get any epoxy on the
> > > screw or threads of screw or pem nut
> > >
> > > just use a toothpick to build a fillet from outside diameter ring of pem
> > > nut
> > >
> > > and up against chassis
> > >
> > > JB Weld may work or call your local industrial hardwarse stor or Mc
> Master
> > > Carr on line and they
> > > can advise. (Locktitie TM may also have a solution)
> > >
> > > Using a larger diameter Pem nut is asking for same problem later
> > >
> > > Surprised ACOM would bother to suggest that as a fix.
> > >
> > > 73, Dennis N6KI
> > >
> > > On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@> wrote:
> > >
> > >>
> > >>
> > >> > Now if there were an easy fix for the press fit tapped "socket" that
> > >> the
> > >> > screws go into. There is a tendency for them to spin in place.
> > >> > 73 de Brian/K3KO
> > >>
> > >> And come out, never to go back in again!
> > >>
> > >> They're called pem nuts. There's a fix for them, sort of. I asked Stan
> > >> at
> > >> Acom what to do about the three or four of mine that have fallen out.
> He
> > >> emailed instructions on how to use a pop rivet tool to press the nut
> > >> back in
> > >> again. Basically, you push the shaft of a pop rivet through the pem nut
> > >> and
> > >> hole in the case, position the pem nut squarely in the hole, and slip
> > >> the

> > >> pop rivet tool over the end of the shaft. As you use the tool to pull
> > >> the
> > >> shaft, the head of the rivet collapses and presses the pem nut into the
> > >> hole
> > >> with considerable force.
> > >>
> > >> However, I found that if the hole has widened sufficiently for the pem
> > >> nut
> > >> to fall out, it's unlikely that it will stay in after being pressed in
> > >> again. Stan anticipated this, and offered to send me some pem nuts with
> > >> a
> > >> slightly larger collar. The nuts are metric size and made in Europe. I
> > >> tried
> > >> to find them in the US, but could not. Been meaning to write to Stan to
> > >> get
> > >> some. Of course, once the holes widen from torquing the screws into the
> > >> larger pem nuts, an even larger pem nut will be required! Bad design?
> > >> Oh,
> > >> yeah!
> > >>
> > >> One last thing: there are some holes where it's impossible to position
> > >> the
> > >> rivet or rivet tool. Some can be accesses by partially disassembling
> the
> > >> amp. It looks like others would take a lot of disassembly.
> > >>
> > >> There are so many screws that I feel confident the case is as RF tight
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> > >>
> > >> 73, Dick WC1M
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> > > [Non-text portions of this message have been removed]
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> > > Yahoo! Groups Links
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3579. Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-13 19:47:09 UTC
From: daslin73
Topic: 3499 Message: 3579

One more thought: the smart money would be on using a torque-adjusting screwdriver for these screws. Can you get a factory recommendation on what torque setting we should use?
Thanks
Dave WJ6O

--- In acom-list@yahoogroups.com, "daslin73" <david@...> wrote:
>
> Bob,
> Keep us posted when they arrive!
> Dave
> WJ6O
>
> --- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@> wrote:
> >
> > Dick,
> >
> > I think we only have the normal sized ones.
> >
> > I can ask Acom to send us a bunch in our next shipment.
> >
> > -Bob
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> > Of dickgreen03755
> > Sent: Thursday, February 04, 2010 11:23 AM
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] Re: Acom 2000A Screws
> >
> > Hi Bob,
> >
> > Can we get the larger metric pem nuts from Array Solutions?
> >
> > 73, Dick WC1M
> >
> > --- In acom-list@yahoogroups.com, W5OV@ wrote:
> > >
> > > As an Acom warranty repair center, doing this "pop-rivet" fix was part of
> > > our training and it works quite well.
> > >
> > > The best thing to do is to avoid this problem altogether and the only way
> > > to do that is to not press inward on any chassis screws when loosening or
> > > tightening them. If Acom's construction is weak in any area, it is without
> > > question these "PEM" nuts.
> > >

> > > Do not overtighten the chassis screws when you re-install them. This will
> > > help you in *not* needing to press inward when you try to remove the
> > > screws the next time.
> > >
> > > 73,
> > >
> > > Bob W5OV
> > > Array Solutions
> > >
> > >
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> > >
> > >
> > > > Just use a metal epoxy after cleaning surfaces well
> > > >
> > > > Just use the screw to hold the pem nut in placewhile the epoxy sets up
> > and
> > > > don't get any epoxy on the
> > > > screw or threads of screw or pem nut
> > > >
> > > > just use a toothpick to build a fillet from outside diameter ring of pem
> > > > nut
> > > >
> > > > and up against chassis
> > > >
> > > > JB Weld may work or call your local industrial hardwarse stor or Mc
> > Master
> > > > Carr on line and they
> > > > can advise. (Locktitie TM may also have a solution)
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> > > > Using a larger diameter Pem nut is asking for same problem later
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> > > > Surprised ACOM would bother to suggest that as a fix.
> > > >
> > > > 73, Dennis N6KI
> > > >
> > > > On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@> wrote:
> > > >
> > > >>
> > > >>
> > > >> > Now if there were an easy fix for the press fit tapped "socket" that
> > > >> the
> > > >> > screws go into. There is a tendency for them to spin in place.
> > > >> > 73 de Brian/K3KO
> > > >>
> > > >> And come out, never to go back in again!
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> > > >> They're called pem nuts. There's a fix for them, sort of. I asked Stan
> > > >> at
> > > >> Acom what to do about the three or four of mine that have fallen out.

> > He
> > > >> emailed instructions on how to use a pop rivet tool to press the nut
> > > >> back in
> > > >> again. Basically, you push the shaft of a pop rivet through the pem nut
> > > >> and
> > > >> hole in the case, position the pem nut squarely in the hole, and slip
> > > >> the
> > > >> pop rivet tool over the end of the shaft. As you use the tool to pull
> > > >> the
> > > >> shaft, the head of the rivet collapses and presses the pem nut into the
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> > > >> with considerable force.
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> > > >> However, I found that if the hole has widened sufficiently for the pem
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> > > >> to fall out, it's unlikely that it will stay in after being pressed in
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> > > >> a
> > > >> slightly larger collar. The nuts are metric size and made in Europe. I
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> > > >> to find them in the US, but could not. Been meaning to write to Stan to
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> > > >> some. Of course, once the holes widen from torquing the screws into the
> > > >> larger pem nuts, an even larger pem nut will be required! Bad design?
> > > >> Oh,
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> > > >> the
> > > >> rivet or rivet tool. Some can be accesses by partially disassembling
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> > > >> 73, Dick WC1M
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> > > > [Non-text portions of this message have been removed]
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3580. RE: [acom-list] Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-16 13:35:19 UTC
From: Bob Naumann
Topic: 3499 Message: 3580

The torque is not the issue with these screws.

You can tighten them plenty tight. The problem comes when you bear down and press inward to loosen the screw. This can cause the pressed-in captive nut to come loose from the chassis and drop in when the screw is removed. So, focus on only apply a twisting motion and not pressing inward on the screws.

Thankfully, one does not need to open these amplifiers up on a regular basis so this is not as much of a problem as it might be otherwise.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of daslin73
Sent: Saturday, March 13, 2010 1:47 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A Screws

One more thought: the smart money would be on using a torque-adjusting screwdriver for these screws. Can you get a factory recommendation on what torque setting we should use?
Thanks
Dave WJ6O

--- In acom-list@yahoogroups.com, "daslin73" <david@...> wrote:
>
> Bob,
> Keep us posted when they arrive!
> Dave
> WJ6O
>
> --- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@> wrote:
> >
> > Dick,
> >
> > I think we only have the normal sized ones.
> >
> > I can ask Acom to send us a bunch in our next shipment.
> >
> > -Bob
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

> > Of dickgreen03755
> > Sent: Thursday, February 04, 2010 11:23 AM
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] Re: Acom 2000A Screws
> >
> > Hi Bob,
> >
> > Can we get the larger metric pem nuts from Array Solutions?
> >
> > 73, Dick WC1M
> >
> > --- In acom-list@yahoogroups.com, W5OV@ wrote:
> > >
> > > As an Acom warranty repair center, doing this "pop-rivet" fix was part
of
> > > our training and it works quite well.
> > >
> > > The best thing to do is to avoid this problem altogether and the only
way
> > > to do that is to not press inward on any chassis screws when loosening
or
> > > tightening them. If Acom's construction is weak in any area, it is
without
> > > question these "PEM" nuts.
> > >
> > > Do not overtighten the chassis screws when you re-install them. This
will
> > > help you in *not* needing to press inward when you try to remove the
> > > screws the next time.
> > >
> > > 73,
> > >
> > > Bob W5OV
> > > Array Solutions
> > >
> > >
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> > >
> > > > Just use a metal epoxy after cleaning surfaces well
> > > >
> > > > Just use the screw to hold the pem nut in placewhile the epoxy sets
up
> > and
> > > > don't get any epoxy on the
> > > > screw or threads of screw or pem nut
> > > >
> > > > just use a toothpick to build a fillet from outside diameter ring of
pem
> > > > nut

> > > >
> > > > and up against chassis
> > > >
> > > > JB Weld may work or call your local industrial hardwarse stor or Mc
> > Master
> > > > Carr on line and they
> > > > can advise. (Locktitie TM may also have a solution)
> > > >
> > > > Using a larger diameter Pem nut is asking for same problem later
> > > >
> > > > Surprised ACOM would bother to suggest that as a fix.
> > > >
> > > > 73, Dennis N6KI
> > > >
> > > > On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@> wrote:
> > > >
> > > >>
> > > >>
> > > >> Now if there were an easy fix for the press fit tapped "socket"
that
> > > >> the
> > > >> screws go into. There is a tendency for them to spin in place.
> > > >> 73 de Brian/K3KO
> > > >>
> > > >> And come out, never to go back in again!
> > > >>
> > > >> They're called pem nuts. There's a fix for them, sort of. I asked
Stan
> > > >> at
> > > >> Acom what to do about the three or four of mine that have fallen
out.
> > He
> > > >> emailed instructions on how to use a pop rivet tool to press the
nut
> > > >> back in
> > > >> again. Basically, you push the shaft of a pop rivet through the pem
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> > > >> hole in the case, position the pem nut squarely in the hole, and
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> > > >> the
> > > >> pop rivet tool over the end of the shaft. As you use the tool to
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> > > >> the
> > > >> shaft, the head of the rivet collapses and presses the pem nut into
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> > > >> hole
> > > >> with considerable force.
> > > >>
> > > >> However, I found that if the hole has widened sufficiently for the

pem
> > > >> nut
> > > >> to fall out, it's unlikely that it will stay in after being pressed
in
> > > >> again. Stan anticipated this, and offered to send me some pem nuts
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> > > >> slightly larger collar. The nuts are metric size and made in
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> > > >> to find them in the US, but could not. Been meaning to write to
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> > > >> some. Of course, once the holes widen from torquing the screws into
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> > > >> larger pem nuts, an even larger pem nut will be required! Bad
design?
> > > >> Oh,
> > > >> yeah!
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> > > >> One last thing: there are some holes where it's impossible to
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> > > >> rivet or rivet tool. Some can be accesses by partially
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> > the
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> > > >> There are so many screws that I feel confident the case is as RF
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> > > >> 73, Dick WC1M
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> > > > [Non-text portions of this message have been removed]
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Yahoo! Groups Links

3581. RE: [acom-list] Re: Acom 2000A Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-16 13:45:33 UTC
From: paul glassman
Topic: 3499 Message: 3581

why any manufacturer would use pem nuts on high value electronic equipment is baffling. it is a money back guarantee that eventually one or more will separate from the frame and drop in and vanish in your $7000 amplifier. you now have the task of hoping that it will "shake out of the amp", or unfortunately, you may have to dissemble it to find the pem and prevent that horrible loud "KAPOW" when it dead short welds whatever it is touching.

73 paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Tue, 3/16/10, Bob Naumann <W5OV@...> wrote:

From: Bob Naumann <W5OV@...>
Subject: RE: [acom-list] Re: Acom 2000A Screws
To: acom-list@yahoogroups.com
Date: Tuesday, March 16, 2010, 9:35 AM

The torque is not the issue with these screws.

You can tighten them plenty tight. The problem comes when you bear down and

press inward to loosen the screw. This can cause the pressed-in captive nut

to come loose from the chassis and drop in when the screw is removed. So,

focus on only apply a twisting motion and not pressing inward on the screws.

Thankfully, one does not need to open these amplifiers up on a regular basis

so this is not as much of a problem as it might be otherwise.

73,

Bob W5OV

-----Original Message-----

From: acom-list@yahoogrou ps.com [mailto:acom-list@yahoogrou ps.com] On Behalf

Of daslin73

Sent: Saturday, March 13, 2010 1:47 PM

To: acom-list@yahoogrou ps.com

Subject: [acom-list] Re: Acom 2000A Screws

One more thought: the smart money would be on using a torque-adjusting

screwdriver for these screws. Can you get a factory recommendation on what

torque setting we should use?

Thanks

Dave WJ6O

--- In acom-list@yahoogrou ps.com, "daslin73" <david@...> wrote:

>

> Bob,

> Keep us posted when they arrive!

> Dave

> WJ6O

>

> --- In acom-list@yahoogrou ps.com, "Bob Naumann" <W5OV@> wrote:

> >

> > Dick,

> >

> > I think we only have the normal sized ones.

> >

> > I can ask Acom to send us a bunch in our next shipment.

> >

> > -Bob

> >

> > -----Original Message-----

> > From: acom-list@yahoogrou ps.com [mailto:acom-list@yahoogrou ps.com] On

Behalf

> > Of dickgreen03755

> > Sent: Thursday, February 04, 2010 11:23 AM

> > To: acom-list@yahoogrou ps.com

> > Subject: [acom-list] Re: Acom 2000A Screws

> >

> > Hi Bob,

> >

> > Can we get the larger metric pem nuts from Array Solutions?

> >

> > 73, Dick WC1M

> >

> > --- In acom-list@yahoogrou ps.com, W5OV@ wrote:

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> > > As an Acom warranty repair center, doing this "pop-rivet" fix was part

of

> > > our training and it works quite well.

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> > > The best thing to do is to avoid this problem altogether and the only

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> > > tightening them. If Acom's construction is weak in any area, it is

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> > > question these "PEM" nuts.

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> > > Do not overtighten the chassis screws when you re-install them. This

will

> > > help you in *not* needing to press inward when you try to remove the

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> > > Bob W5OV

> > > Array Solutions

> > >

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> > >

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> > > > Just use a metal epoxy after cleaning surfaces well

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> > > > Just use the screw to hold the pem nut in placewhile the epoxy sets

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> > > > just use a toothpick to build a fillet from outside diameter ring of

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> > > > and up against chassis

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> > > > JB Weld may work or call your local industrial hardwarse stor or Mc

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> > > > Using a larger diameter Pem nut is asking for same problem later

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> > > > Surprised ACOM would bother to suggest that as a fix.

> > > >

> > > > 73, Dennis N6KI

> > > >

> > > > On Wed, Feb 3, 2010 at 1:54 PM, dickgreen03755 <wc1m73@> wrote:

> > > >

> > > >>

> > > >>

> > > >> > Now if there were an easy fix for the press fit tapped "socket"

that

> > > >> the

> > > >> > screws go into. There is a tendency for them to spin in place.

> > > >> > 73 de Brian/K3KO

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> > > >> And come out, never to go back in again!

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> > > >> They're called pem nuts. There's a fix for them, sort of. I asked

Stan

> > > >> at

> > > >> Acom what to do about the three or four of mine that have fallen

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> > > >> emailed instructions on how to use a pop rivet tool to press the

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> > > >> hole in the case, position the pem nut squarely in the hole, and

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> > > >> with considerable force.

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> > > >> However, I found that if the hole has widened sufficiently for the

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> > > >> to fall out, it's unlikely that it will stay in after being pressed

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> > > >> it can be. So, it's not a high priority -- yet.

> > > >>

> > > >> 73, Dick WC1M

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[Non-text portions of this message have been removed]

3582. Error Decoding and dead panel light

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-23 22:56:09 UTC
From: Jack K5FSE
Topic: 3582 Message: 3582

I tried to see if there were any msg relating to an error code I just got. Low and behold, I found one...mine?..sent a year ago, but was never answered. All has been fine since then, but now I got it again. PLUS the light behind the green panel just went out? Please read a copy of my original email, shown below, and any suggestions would be appreciated. The error seems intermittent. Now all is fine, with normal power out...but still no light behind the panel.

Good afternoon all. I have a 2 yr old 1000. I have a small piece of plastic sheeting attached over the fan to keep dust out when the amp if off. It's taped on one side and flies open the minute the fan turns on. Yesterday, just a few seconds after turning the amp on, I noticed the sheeting was not moving.

There was some air, but very little. Then I noticed the error code
1APN25 000000 000600. From the manual, it seems this is happening in the Power-On cycle (yes) and that it has something to do with screen grid current. Am I interrepting this correctly, and what does it mean?

I see reference to an Excel sheet for decoding help, but didn't see it on the Acom site, but apparently it's been send to members of the list previously from what I read. I didn't see it posted in the Files sections. Can someone sent it to me?

Thanks for taking to time to read this.

Jack K5FSE
Cumming, GA

3583. Acom 1000 fault

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-26 16:13:48 UTC
From: DAVID
Topic: 3583 Message: 3583

Switched on my Acom 1000 this morning as normal but afetr about 20 seconds of warm up it cut out and displayed the message 'Auto protection: SB2B'. I tried restarting many times but always ends up with this message, sometimes after a few seconds and sometimes after 30 seconds or so.According to the manual an SB2 fault is a stand by fault after warm up but this is occurring during warm up. Can't find the Excel document detailing the fault codes anywhere on the net either. Anyone else seen this problem,whats it's cause and whats the fix please?

3584. Re: [acom-list] Acom 1000 fault

Yahoo group: acom-list (2010 — 2016)
Date: 2010-03-26 17:15:43 UTC
From: W5OV@w5ov.com
Topic: 3583 Message: 3584

This error shows that the output relay is closed.

Is PTT activated from your radio? Pull the PTT cable from the amp and try turning it on again.

> Switched on my Acom 1000 this morning as normal but afetr about 20 seconds
> of warm up it cut out and displayed the message 'Auto protection: SB2B'. I
> tried restarting many times but always ends up with this message,
> sometimes after a few seconds and sometimes after 30 seconds or
> so.According to the manual an SB2 fault is a stand by fault after warm up
> but this is occurring during warm up. Can't find the Excel document
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> this problem,whats it's cause and whats the fix please?
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> Yahoo! Groups Links
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3585. Remote-on adapter

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-22 14:42:35 UTC
From: marcelo@alternex.com.br
Topic: 3585 Message: 3585

Hello
I've learned that there is an adapter that allows remote switching on of the ACOM 2000A
http://k5fr.com/ddutilwiki/images/RPon.JPG
Does anyone knows where can I find it?
73 DX
Marcelo, PY1KN

[Non-text portions of this message have been removed]

3586. R: [acom-list] Remote-on adapter

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-22 20:18:29 UTC
From: ik2typ
Topic: 3585 Message: 3586

Perhaps you may find it to your local Acom dealer. You also need to
download the free software ☐AcomTools☐ form the official Acom website
http://www.acom-bg.com/

73

Ik2typ

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto
di marcelo@...
Inviato: giovedì 22 aprile 2010 16.43
A: acom-list@yahoogroups.com
Oggetto: [acom-list] Remote-on adapter

Hello
I've learned that there is an adapter that allows remote switching on of the
ACOM
2000A
http://k5fr.com/ddutilwiki/images/RPon.JPG
Does anyone knows where can I find it?
73 DX
Marcelo, PY1KN

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3587. RE: [acom-list] Remote-on adapter

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-23 10:49:27 UTC
From: Maximo EA1DDO_HK1DX
Topic: 3585 Message: 3587

Hi Marcelo,

The name of that is "Remote Power On" and is build by Acom.
Acom sells that accessory for ? 72 Euro.

Anyone interested can contact Acom.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: marcelo@...
Date: Thu, 22 Apr 2010 11:42:35 -0300
Subject: [acom-list] Remote-on adapter

Hello

I've learned that there is an adapter that allows remote switching on of the ACOM

2000A

http://k5fr.com/ddutilwiki/images/RPon.JPG

Does anyone knows where can I find it?

73 DX

Marcelo, PY1KN

_____
Recibe un SMS de tu Hotmail vayas donde vayas. ?Date de alta!
http://home.mobile.live.com/MobileAttach.mvc/?mkt=es-es

[Non-text portions of this message have been removed]

3588. ACOM 1000 PLUG Kenwood

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-25 16:46:27 UTC
From: Pierre
Topic: 3588 Message: 3588

Hi all,

I buy an amplificator ACOM1000 last week, I wait it, how plug it to my Kenwood TS450 SAT ??
I see it is a RCA pin, I lost the manual of my Kenwood, I don't know what is pin number??

If it possible to give me info to plug ACOM between TS450 SAT.

Tnx in advance

Regards

73' Pierre

3589. RE: [acom-list] ACOM 1000 PLUG Kenwood

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-25 20:53:10 UTC
From: Callum MØMCX
Topic: 3588 Message: 3589

Pierre, maybe there is also a KENWOOD TS450 Yahoo Group?

They could help too?

Callum McCormick

t: 07976 631881

<http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Pierre
Sent: 25 April 2010 17:46
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1000 PLUG Kenwood

Hi all,

I buy an amplificator ACOM1000 last week, I wait it, how plug it to my Kenwood TS450 SAT ??
I see it is a RCA pin, I lost the manual of my Kenwood, I don't know what is pin number??

If it possible to give me info to plug ACOM between TS450 SAT.

Tnx in advance

Regards

73' Pierre

[Non-text portions of this message have been removed]

3590. Re: [acom-list] ACOM 1000 PLUG Kenwood

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-25 23:39:04 UTC
From: Tadej Arcon
Topic: 3588 Message: 3590

Google helps:
http://www.on4vdv.be/files/manuals/TS-450S_690_Instruction_manual.pdf

Connect pin 2 and 4 on REMOTE connector to you amp, see page 21.

73s Tadej S52X

2010/4/25 Callum M?MCX <callum@...>

>
>
> Pierre, maybe there is also a KENWOOD TS450 Yahoo Group?
>
> They could help too?
>
> Callum McCormick
>
> t: 07976 631881
>
> <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
>
> From: acom-list@yahoogroups.com <acom-list%40yahoogroups.com> [mailto:
> acom-list@yahoogroups.com <acom-list%40yahoogroups.com>] On Behalf
> Of Pierre
> Sent: 25 April 2010 17:46
> To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> Subject: [acom-list] ACOM 1000 PLUG Kenwood
>
>
> Hi all,
>
> I buy an amplificator ACOM1000 last week, I wait it, how plug it to my
> Kenwood TS450 SAT ??
> I see it is a RCA pin, I lost the manual of my Kenwood, I don't know what
> is
> pin number??
>
> If it possible to give me info to plug ACOM between TS450 SAT.
>
> Tnx in advance
>
> Regards
>
> 73' Pierre
>
> [Non-text portions of this message have been removed]

>
>
>

--
Tadej Arcon

[Non-text portions of this message have been removed]

3591. Re: [acom-list] ACOM 1000 PLUG Kenwood

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-26 08:25:41 UTC
From: P300@FREE.FR
Topic: 3588 Message: 3591

Selon Tadej Arcon <tadej.arcon@...>:
Hi,

tnx a lot fer info and for link about manuel of transceiver.

73' Pierre

> Google helps:
> http://www.on4vdv.be/files/manuals/TS-450S_690_Instruction_manual.pdf
>
> Connect pin 2 and 4 on REMOTE connector to you amp, see page 21.
>
> 73s Tadej S52X
>
> 2010/4/25 Callum M?MCX <callum@...>
>
> >
> >
> > Pierre, maybe there is also a KENWOOD TS450 Yahoo Group?
> >
> > They could help too?
> >
> > Callum McCormick
> >
> > t: 07976 631881
> >
> > <http://www.m0mcx.co.uk/> http://www.m0mcx.co.uk/
> >
> > From: acom-list@yahoogroups.com <acom-list%40yahoogroups.com> [mailto:
> > acom-list@yahoogroups.com <acom-list%40yahoogroups.com>] On Behalf
> > Of Pierre
> > Sent: 25 April 2010 17:46
> > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > Subject: [acom-list] ACOM 1000 PLUG Kenwood
> >
> >
> > Hi all,
> >
> > I buy an amplificator ACOM1000 last week, I wait it, how plug it to my
> > Kenwood TS450 SAT ??
> > I see it is a RCA pin, I lost the manual of my Kenwood, I don't know what
> > is
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> >

> > Tnx in advance
> >
> > Regards
> >
> > 73' Pierre
> >
> > [Non-text portions of this message have been removed]
> >
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>
> --
> Tadej Arcon
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3592. Re: Remote-on adapter

Yahoo group: acom-list (2010 — 2016)
Date: 2010-04-30 01:57:00 UTC
From: ki4ge
Topic: 3585 Message: 3592

Is anyone using the ACOM "Remote On" adapter with TRX-Manager?

I have two of the adapters and have not been able to get either one of them to work properly after working with them for many months.

I have been using TRX-Manager for sevaral years to successfully operate a remote station over the internet and have found it to be a very robust and capable progam that does almost everything I need it to do from anywhere in the world as long as I have a reliable, high speed internet connection (thanks to the hard work and insight of Laurent in developing and supporting the program).

I have two of the "remote On adapters" but have been unsuccesful in getting either of them to work properly.

The internet operation works great without the adapter connected. However, when I install the adapter(either one) the ACOM 2000 does not work properly.

When the adapter is installed, TRX-ACOM does not properly communicate with the ACOM 2000. The tracking function at the top on the TRX ACOM display display shows the proper frequency, which agrees with the frequency displayed on the ICOM 756 Pro III.

The middle display shows that the ACOM 2000 is "ON" but the status of the amplifier cycles between "amp ready" to "switching" with no results. Plus,if I try to shut the amp dowm by clicking on the "shutdown button" or switching from "SBY" to "OPR" nothing happens, even though the software says it is doing what I ask it to do.

Plus, I cannot restart the amp by clicking on the "on" Button as well. I have tried several "null modem" cables but the results are the same.

Since I have two differnt ACOM built "remote On" adapters, it is hard to believe that both are bad, since both were built by ACOM. After many experiments, the only conclusion I am left with is that there is a software conflict somewhere either in my computer or within TRX-Manager itself. It works the same way, either with or without a "SEALINK Serial Server" online.

I am sure that Laurent and Stan at ACOM have tested this capability successfuly before the adapter was released and Laurent incorporated it into TRX-Manager.

I have been frustrated after trying everything I can think of and have even had my son (who is a computer network engineer) help me in trying to resolve this issue. The "Remote On - Remote Off" feature is the only thing that I am missing in having a superb internet controlled means of controlling my system.

To this point, I have been surviving by having my brother (who lives nearby) restart the amp when I need that done, which works but is far from optimum.

At this point, I strongly suspect that I have a software conflict that I have not yet identified.

Any suggestions are appreciated.

Thanks for the help.

KI4GE

--- In acom-list@yahoogroups.com, marcelo@... wrote:
>
>
>
> Hello
> I've learned that there is an adapter that allows remote switching on of the ACOM
> 2000A
> http://k5fr.com/ddutilwiki/images/RPon.JPG
> Does anyone knows where can I find it?
> 73 DX
> Marcelo, PY1KN
>
>
> [Non-text portions of this message have been removed]
>

3593. Problem with my (new to me) 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-14 04:27:46 UTC
From: tim_white150
Topic: 3593 Message: 3593

Hello All,

I have just purchased a pre-owned 2000A from someone here in Australia. I installed the transformer, connected everything up and was greeted by the RCU continuously sounding the alarm, and no display - just a row of blocks along the top. The RCU is also unresponsive to any key press. I guess I'm not off to a great start here.

After reseating the EPROM in the RCU, measuring all fuses and giving everything a visual check the problem persists. I've just sent the RCU to the local distributor here in the hope it is at fault. It would be nice to not have to ship the main unit around if it can be helped.

I'm new to the group, so hello to all and wish me luck.

3594. Acom 1000 Accessory Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-19 15:13:28 UTC
From: Mike Harris
Topic: 3594 Message: 3594

Good day,

I have been using my amp on RTTY for a while, usually about 500W O/P. Running a pile-up the blower does occasionally speed up. I'm thinking about installing the accessory fan. My thoughts are that the air filter will no longer be useable because it will restrict air-flow to the fan blades and stall them. Only a wire finger guard will do.

Anyone gone down this route?

Regards,

Mike VP8NO

3595. Re: Acom 1000 Accessory Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-20 14:04:05 UTC
From: bobhzv
Topic: 3594 Message: 3595

Take a look at http://www.m0oxo.com/radio-projects/acom-1000-mod.html

73 Bob

--- In acom-list@yahoogroups.com, "Mike Harris" <mike.harris@...> wrote:
>
> Good day,
>
> I have been using my amp on RTTY for a while, usually about 500W
> O/P. Running a pile-up the blower does occasionally speed up. I'm
> thinking about installing the accessory fan. My thoughts are that
> the air filter will no longer be useable because it will restrict
> air-flow to the fan blades and stall them. Only a wire finger guard
> will do.
>
> Anyone gone down this route?
>
> Regards,
>
> Mike VP8NO
>

3596. BIAS TOO LOW AT POWER ON

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-20 15:51:14 UTC
From: ea4kd
Topic: 3596 Message: 3596

Two weeks ago began the problem of "BIAS TOO LOW AT POWER ON: -000V" in my ACOM 2000.

After some email with Stan (ACOM) and checked voltages on interface PCB, he says that perhaps either tube makes an internal short circuit.

After several tests I observed the following:

Sometimes; just after the warm-up gives the failure: "BIAS TOO LOW AT POWER ON: -000V"

sometimes; one or two minutes after warm-up ended, gives the failure: "BIAS TOO LOW: -049V"

rest of times works perfectly during hours until turn off the amplifier; even with 2 kW.

I have verified R5 and C2 and seems correct. Also, have the opportunity to get a tube (only one) from a friend, to be able to verify if some of my tubes are incorrect. The question it´s if a have a bad tube how can to get with 2 kW. output. during hours.

Can I verify anymore?

Thanks in advance
Pedro, EA4KD

3597. Re: Acom 1000 Accessory Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-20 15:50:52 UTC
From: Andrey
Topic: 3594 Message: 3597

Not sure how easy is for you to order parts from Mouser.com but here is what i've done:

After removing the original metal mesh filter, I installed "Wire Fan Guard" (Mouser p/n 670-G9216) on the INSIDE of the chassis and the fan on the outisde, securing both with srcews. This could be a difficult task if you don't plan to remove the power transformer (I managed to do it withot taking the transformer out but installing the "inside" screws were a real pain).
The reason for the wire guard is mainly to provide some limited RF shielding without obstructing the fan's exhaust airflow.
On the outside of the fan (fan's intake) I installed the 30 PPI snap-on filter assembly kit (Mouser Part #: GRM92-30).
The main point is to allow good airflow intake - the metal mesh filter is OK for the built-in tube blower (as the whole amplifier cavity acts as a buffer/damper and provides some reserve) but with the increased airflow (especially if you are using high-volume external fan) could be limitting to the capacity of the extra fan.
In addition the snap-on filter kit reduces a bit the noise from the external fan and it is very easy to clean/replace.
btw. the "factory" installations i've seen of the external fan is with a wire finger guard on the outside - no metal mesh filters.
If its too much trouble ordering these part's, i'd go with the solution from the previous post and re-use the mesh filter. Because of the increased airflow, you have to remember to clean the filter more often than the standard "no extra fan" version.

Hope this helps

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Mike Harris" <mike.harris@...> wrote:
>
> Good day,
>
> I have been using my amp on RTTY for a while, usually about 500W
> O/P. Running a pile-up the blower does occasionally speed up. I'm
> thinking about installing the accessory fan. My thoughts are that
> the air filter will no longer be useable because it will restrict
> air-flow to the fan blades and stall them. Only a wire finger guard
> will do.
>
> Anyone gone down this route?
>
> Regards,
>
> Mike VP8NO
>

3598. Re: [acom-list] Re: Acom 1000 Accessory Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-20 16:59:19 UTC
From: Martin Andrew
Topic: 3594 Message: 3598

The second fan fitted to an Acom 1000 is a standard 24 volt 'muffin fan. these can be bought from any good
electronic or component shop. Just measure the distance between the filter cover holes (80MM).
From a UK stockist £15.00.
Somewhere I also remember seeing a 'how to fit a second fan' file on internet, which explained it very easily.
I am sure someone can point others in the right direction.
I fitted one when the amp was just out of guarantee, only had it come on once in two years. Not sure if
it was worth fitted, but at least it is there if it is ever needed. Only run the amp on 50 and 70MHz, yes have
done the 70MHz mod which is very easy to do.

Martin GM6VXB, IO97aq

----- Original Message -----
From: Andrey
To: acom-list@yahoogroups.com
Sent: Thursday, May 20, 2010 3:50 PM
Subject: [acom-list] Re: Acom 1000 Accessory Fan

Not sure how easy is for you to order parts from Mouser.com but here is what i've done:

After removing the original metal mesh filter, I installed "Wire Fan Guard" (Mouser p/n 670-G9216) on the INSIDE of the chassis and the fan on the outisde, securing both with srcews. This could be a difficult task if you don't plan to remove the power transformer (I managed to do it withot taking the transformer out but installing the "inside" screws were a real pain).
The reason for the wire guard is mainly to provide some limited RF shielding without obstructing the fan's exhaust airflow.
On the outside of the fan (fan's intake) I installed the 30 PPI snap-on filter assembly kit (Mouser Part #: GRM92-30).
The main point is to allow good airflow intake - the metal mesh filter is OK for the built-in tube blower (as the whole amplifier cavity acts as a buffer/damper and provides some reserve) but with the increased airflow (especially if you are using high-volume external fan) could be limitting to the capacity of the extra fan.
In addition the snap-on filter kit reduces a bit the noise from the external fan and it is very easy to clean/replace.
btw. the "factory" installations i've seen of the external fan is with a wire finger guard on the outside - no metal mesh filters.
If its too much trouble ordering these part's, i'd go with the solution from the previous post and re-use the mesh filter. Because of the increased airflow, you have to remember to clean the filter more often than the standard "no extra fan" version.

Hope this helps

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Mike Harris" <mike.harris@...> wrote:
>
> Good day,
>
> I have been using my amp on RTTY for a while, usually about 500W
> O/P. Running a pile-up the blower does occasionally speed up. I'm
> thinking about installing the accessory fan. My thoughts are that
> the air filter will no longer be useable because it will restrict
> air-flow to the fan blades and stall them. Only a wire finger guard
> will do.
>
> Anyone gone down this route?
>
> Regards,
>
> Mike VP8NO
>

[Non-text portions of this message have been removed]

3599. Acom 1000 Accessory Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-21 20:14:05 UTC
From: Mike Harris
Topic: 3594 Message: 3599

G'day,

Many thanks to all who responded. Very useful information.

Regards,

Mike VP8NO

3600. 2000A software version

Yahoo group: acom-list (2010 — 2016)
Date: 2010-05-28 19:02:05 UTC
From: kamarty456
Topic: 3600 Message: 3600

My 2000A has VER 4.5
The amp is of 5-2001 vintage

The amp is working flawlessly.

I'm just curious as to what software the newer models have and what the differences are?

Martin KA7GKN

3601. Line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-10 20:35:48 UTC
From: kamarty456
Topic: 3601 Message: 3601

With summer here and the demand for electricity is high I notice at various times of the the day the line voltage can fluctuate. I'm in Glendale Arizona and I'm on SRP electric ...we have two supplier APS and SRP. SRP seems to be the most stable.

Let's visit this.....

Typically the power company claims 120VAC +/- 5%
-or- 116-126VAC I typically see 121-123VAC

240VAC +/-5% -or- 228-252VAC I typically see 242-247VAC

My ACOM 2000A obviously is wired for 240VAC.
I usually see 242-247VAC on the RCU display and after calibrating the voltmeter it follows fairly well my external AC voltmeter always in line.

Now and then the yellow heater LED will blink. The speed of the blinking provides two parameter warnings. One is the heater voltage is too high and the other indicating the line voltage is too high.

Any of you have challenges with your 240VAC line voltage being
"too high"????
If so, what do you do to regulate the voltage?

I have my 2000A for over 9 years and have never experienced any failure due to excessive line voltage. I'm asking to see of others are concerned or if I'm just over reacting?

Martin KA7GKN

3602. Acom 1000 going off tune

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-10 21:41:25 UTC
From: Martin Andrew
Topic: 3602 Message: 3602

Not really a major problem but it could get worse.
I have an Acom 1000, about seven years old, original tube,
second fan fitted but not really required.
I only use the amplifier on 50MHz and normally around 400 Watt.
The amplifier has a modification for 70MHz.
Use both SSB and WSJT.
Antenna is close to tune at 1.4:1 at worst.

Over the last few months after switch on and initial tune up I noticed
the amplifier would go off tune with the indicator on the front panel going
to the right. Re-tune, all ok then after a few minutes it goes off again. Same
again, re-tune all ok then off it goes again.
At first I suspected I had an antenna or coax problem, but get the same symptoms
into a good Bird 8201 dummy load capable of 500 Watt continuous.
If I reduce power to around 200 Watt all is stable, but what is the point of having a
QRO amplifier if I can only run stable at QRP powers.
Had the amplifier in bits and checked all accessible plugs and sockets, did not remove
the tube.
I cannot see anything even vaguely wrong, but the problem persists.

I am running the original tube, gain is still good with indications of about 13dB gain
though
I do have spares available.

Anyone got any ideas what to look for, or do I change the tube and see what happens then.

Martin, GM6VXB

[Non-text portions of this message have been removed]

3603. [acom-list] Line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-11 01:48:45 UTC
From: Ray W2RM
Topic: 3601 Message: 3603

MARTIN,

MY LINE VOLTAGE WAS 259.6 VAC, I CONTACTED THE POWER COMPANYAND THEY ARE LOOKING INTO IT. THEY NOW KNOW THEY HAVE A PROBLEM. UNTIL THEY FIX THEIR PROBLEM I BOUGHT A 220 VARIAC, I CLEANED THE BUSS BAR CONTACTS ON THE CIRCUIT BOARD ON THE 240 VAC SETTING AND IT☐S NICE AND STABLE NOW. NO MORE YELLOW BLINKING. THE VOLTAGE AROUND HERE IS NORMALLY AROUND 242 TO 250VAC WHICH IS NORMALLY FINE FOR THE NORTHEAST GRID HERE IN SNJ. THIS IS JUST ONE SOLUTION.

YOU CAN ALSO GET A ☐BUCK/BOOST TRANSFORMER☐ IT WILL HAVE TO HAVE A 240 VOLT PRIMARY, RATED AT 20 AMPS AND ½ KVA WITH TAPS FOR 12 ☐ 24 & 36 VOLTS. WHEN YOU HOOK IT UP, IF THE VOLTAGE IS TOO HIGH YOU JUST SELECT THE TAP (12, 24 OR 36 VOLTS) TO LOWER THE VOLTAGE TO A WORKABLE VOLTAGE RANGE. SO, IF YOUR VOLTAGE SAY IS 264 VAC COMING IN, YOU SELECT THE 24 VOLT TAP AND THAT LOWERS IT TO 240 VAC. IF YOUR INCOMING VOLTAGE IS 252 VAC YOU WOULD USE THE 12 VAC TAP TO LOWER IT TO 240 VAC. I THINK YOU CAN GET THE PICTURE NOW. IT☐S A GOOD WAY TO GO ☐ BUT ONE OF MY BUDDIES WAS OUT IN DAYTON THIS YEAR AND PICKED UP THE 220 VAC VARIAC FOR ME, SO I WENT THE EASY ROUTE, BUT; I WOULD PREFER TO DO IT WITH THE BUCK/BOOST TRANSFORMER, (AND I WILL SOON) THIS WAY I WOULDN☐T HAVE TO WORRY ABOUT THE BRUSH IN THE VARIAC WHICH CAN COLLECT A LITTLE RUST OVER THE YEARS DEPENDING WHERE YOUR HAM SHACK IS (YOU-KNOW: LIKE THE BASEMENT) UNLESS YOU HAVE A DEHUMIDIFIER IN YOUR SHACK. (WHICH I DO). SO AGAIN, I HOPE THIS HELPS SORRY FOR BEING LONG WINDED

BEST REGARDS RAY W2RM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Thursday, June 10, 2010 4:36 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Line voltage

With summer here and the demand for electricity is high I notice at various times of the the day the line voltage can fluctuate. I'm in Glendale Arizona and I'm on SRP electric ...we have two supplier APS and SRP. SRP seems to be the most stable.

Let's visit this.....

Typically the power company claims 120VAC +/- 5%
-or- 116-126VAC I typically see 121-123VAC

240VAC +/-5% -or- 228-252VAC I typically see 242-247VAC

My ACOM 2000A obviously is wired for 240VAC.
I usually see 242-247VAC on the RCU display and after calibrating the

voltmeter it follows fairly well my external AC voltmeter always in line.

Now and then the yellow heater LED will blink. The speed of the blinking provides two parameter warnings. One is the heater voltage is too high and the other indicating the line voltage is too high.

Any of you have challenges with your 240VAC line voltage being "too high"????
If so, what do you do to regulate the voltage?

I have my 2000A for over 9 years and have never experienced any failure due to excessive line voltage. I'm asking to see of others are concerned or if I'm just over reacting?

Martin KA7GKN

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.829 / Virus Database: 271.1.1/2927 - Release Date: 06/10/10 02:35:00

[Non-text portions of this message have been removed]

3604. Line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-11 01:50:14 UTC
From: Ray W2RM
Topic: 3601 Message: 3604

MARTIN,

MY LINE VOLTAGE WAS 259.6 VAC, I CONTACTED THE POWER COMPANYAND THEY ARE LOOKING INTO IT. THEY NOW KNOW THEY HAVE A PROBLEM. UNTIL THEY FIX THEIR PROBLEM I BOUGHT A 220 VARIAC, I CLEANED THE BUSS BAR CONTACTS ON THE CIRCUIT BOARD ON THE 240 VAC SETTING AND IT☐S NICE AND STABLE NOW. NO MORE YELLOW BLINKING. THE VOLTAGE AROUND HERE IS NORMALLY AROUND 242 TO 250VAC WHICH IS NORMALLY FINE FOR THE NORTHEAST GRID HERE IN SNJ. THIS IS JUST ONE SOLUTION.

YOU CAN ALSO GET A ☐BUCK/BOOST TRANSFORMER☐ IT WILL HAVE TO HAVE A 240 VOLT PRIMARY, RATED AT 20 AMPS AND ½ KVA WITH TAPS FOR 12 ☐ 24 & 36 VOLTS. WHEN YOU HOOK IT UP, IF THE VOLTAGE IS TOO HIGH YOU JUST SELECT THE TAP (12, 24 OR 36 VOLTS) TO LOWER THE VOLTAGE TO A WORKABLE VOLTAGE RANGE. SO, IF YOUR VOLTAGE SAY IS 264 VAC COMING IN, YOU SELECT THE 24 VOLT TAP AND THAT LOWERS IT TO 240 VAC. IF YOUR INCOMING VOLTAGE IS 252 VAC YOU WOULD USE THE 12 VAC TAP TO LOWER IT TO 240 VAC. I THINK YOU CAN GET THE PICTURE NOW. IT☐S A GOOD WAY TO GO ☐ BUT ONE OF MY BUDDIES WAS OUT IN DAYTON THIS YEAR AND PICKED UP THE 220 VAC VARIAC FOR ME, SO I WENT THE EASY ROUTE, BUT; I WOULD PREFER TO DO IT WITH THE BUCK/BOOST TRANSFORMER, (AND I WILL SOON) THIS WAY I WOULDN☐T HAVE TO WORRY ABOUT THE BRUSH IN THE VARIAC WHICH CAN COLLECT A LITTLE RUST OVER THE YEARS DEPENDING WHERE YOUR HAM SHACK IS (YOU-KNOW: LIKE THE BASEMENT) UNLESS YOU HAVE A DEHUMIDIFIER IN YOUR SHACK. (WHICH I DO). SO AGAIN, I HOPE THIS HELPS SORRY FOR BEING LONG WINDED

BEST REGARDS RAY W2RM

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to excessive line voltage. I'm asking to see of others are concerned or if
I'm just over reacting?

Martin KA7GKN

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.829 / Virus Database: 271.1.1/2927 - Release Date: 06/10/10
02:35:00

[Non-text portions of this message have been removed]

3605. Re: Acom 1000 going off tune

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-11 11:23:18 UTC
From: pa5dd
Topic: 3602 Message: 3605

The question is whether this is an indicator problem or is the amplifier really de-tuning.

If the output changes with the tuning indication, then it is probably not an indicator problem. Then it could be the loaded plate DC voltage varying (because the 240V AC varies). If this is not the case, then I would indeed try a new tube.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Martin Andrew" <martin.andrew@...> wrote:
>
>
> Not really a major problem but it could get worse.
> I have an Acom 1000, about seven years old, original tube,
> second fan fitted but not really required.
> I only use the amplifier on 50MHz and normally around 400 Watt.
> The amplifier has a modification for 70MHz.
> Use both SSB and WSJT.
> Antenna is close to tune at 1.4:1 at worst.
>
> Over the last few months after switch on and initial tune up I noticed
> the amplifier would go off tune with the indicator on the front panel going
> to the right. Re-tune, all ok then after a few minutes it goes off again. Same
> again, re-tune all ok then off it goes again.
> At first I suspected I had an antenna or coax problem, but get the same symptoms
> into a good Bird 8201 dummy load capable of 500 Watt continuous.
> If I reduce power to around 200 Watt all is stable, but what is the point of having a
> QRO amplifier if I can only run stable at QRP powers.
> Had the amplifier in bits and checked all accessible plugs and sockets, did not remove
> the tube.
> I cannot see anything even vaguely wrong, but the problem persists.
>
> I am running the original tube, gain is still good with indications of about 13dB gain
though
> I do have spares available.
>
> Anyone got any ideas what to look for, or do I change the tube and see what happens then.
>
>
> Martin, GM6VXB
>
> [Non-text portions of this message have been removed]
>

3606. Re: Acom 1000 going off tune

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-13 11:43:44 UTC
From: bobhzv
Topic: 3602 Message: 3606

Could it be a ceramic capacitor changing value slightly when it gets hot? That would be most noticeable on 50/70MHz. How is it on the lower bands?

Good luck.

--- In acom-list@yahoogroups.com, "pa5dd" <pa5dd@...> wrote:
>
> The question is whether this is an indicator problem or is the amplifier really de-tuning.
>
> If the output changes with the tuning indication, then it is probably not an indicator problem. Then it could be the loaded plate DC voltage varying (because the 240V AC varies). If this is not the case, then I would indeed try a new tube.
>
> 73 Uffe PA5DD
>
> --- In acom-list@yahoogroups.com, "Martin Andrew" <martin.andrew@> wrote:
> >
> >
> > Not really a major problem but it could get worse.
> > I have an Acom 1000, about seven years old, original tube,
> > second fan fitted but not really required.
> > I only use the amplifier on 50MHz and normally around 400 Watt.
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> > Over the last few months after switch on and initial tune up I noticed
> > the amplifier would go off tune with the indicator on the front panel going
> > to the right. Re-tune, all ok then after a few minutes it goes off again. Same
> > again, re-tune all ok then off it goes again.
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> > into a good Bird 8201 dummy load capable of 500 Watt continuous.
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> > Had the amplifier in bits and checked all accessible plugs and sockets, did not remove
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> > I am running the original tube, gain is still good with indications of about 13dB gain though
> > I do have spares available.
> >
> > Anyone got any ideas what to look for, or do I change the tube and see what happens then.

> >
> >
> > Martin, GM6VXB
> >
> > [Non-text portions of this message have been removed]
> >
>

3607. Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-13 14:29:54 UTC
From: William Beyer
Topic: 1393 Message: 3607

Just put AC to Acom 1000 Amp....

Error code 1APN07.

Any help with this, TU

Bill N2WB (WILD BILL)

DX RULES !!!

R - LEAD THE WAY!

You may be only one person in the World,
but you may also be the world to one person.

[Non-text portions of this message have been removed]

3608. Re: [acom-list] Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-13 15:11:36 UTC
From: Jim Cox
Topic: 1393 Message: 3608

The codes are in your manual. On power on there is a problem with the HV.
Jim K4JAF

----- Original Message -----
From: William Beyer
To: acom-list@yahoogroups.com
Sent: Sunday, June 13, 2010 9:29 AM
Subject: [acom-list] Acom 1000

Just put AC to Acom 1000 Amp....

Error code 1APN07.

Any help with this, TU

Bill N2WB (WILD BILL)

DX RULES !!!

R - LEAD THE WAY!

You may be only one person in the World,
but you may also be the world to one person.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3609. Re: [acom-list] Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-13 15:08:40 UTC
From: Mike Harris
Topic: 1393 Message: 3609

Hi Bill,

This might be of some use.

Regards,

Mike VP8NO

----- Original Message -----
From: "William Beyer" <wbeyerjr@...>
To: <acom-list@yahoogroups.com>
Sent: Sunday, June 13, 2010 10:29 AM
Subject: [acom-list] Acom 1000

> Just put AC to Acom 1000 Amp....
>
> Error code 1APN07.
>
> Any help with this, TU
>
> Bill N2WB (WILD BILL)
>
> DX RULES !!!
>
> R - LEAD THE WAY!
>
> You may be only one person in the World,
> but you may also be the world to one person.

[Non-text portions of this message have been removed]

3610. Re: Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-14 13:24:07 UTC
From: bobhzv
Topic: 1393 Message: 3610

If it will let you, step though the measurements and see what it thinks the HT voltage is. Below 1800V or above 3300V it will trip. If it's low, then suspect that the PSU has failed. Above 3300V, it's likely to be a control board measuring fault, or your AC supply voltage is much too high. Check the temperature reading and see if it's about what you'd expect, because the control board uses a common reference to meter HT, RF and temperature.

Good luck.

--- In acom-list@yahoogroups.com, "Jim Cox" <jcox123@...> wrote:
>
> The codes are in your manual. On power on there is a problem with the HV.
> Jim K4JAF
>
>
> ----- Original Message -----
> From: William Beyer
> To: acom-list@yahoogroups.com
> Sent: Sunday, June 13, 2010 9:29 AM
> Subject: [acom-list] Acom 1000
>
>
>
> Just put AC to Acom 1000 Amp....
>
> Error code 1APN07.
>
> Any help with this, TU
>
> Bill N2WB (WILD BILL)
>
> DX RULES !!!
>
> R - LEAD THE WAY!
>
> You may be only one person in the World,
> but you may also be the world to one person.
>
> [Non-text portions of this message have been removed]
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

3611. Re: [acom-list] Re: Acom 1000 going off tune

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-17 08:22:32 UTC
From: Martin Andrew
Topic: 3602 Message: 3611

I do not use the amplifier on HF, not interested in DC, only bands above 50MHz.
I have done a few more checks and am pretty certain the tube is near end of life
so will change it for one of my spares soon. Screen current is about 2-4 Milliampere
at outputs above 400 watt and causes alarms above 700 Watt.
Problem is more annoying when I do 50MHz EME as power is all over the place
and causes real problems to the other station.
Tube has done 4000 hours so cannot complain to much !.

Martin, GM6VXB
----- Original Message -----
From: bobhzv
To: acom-list@yahoogroups.com
Sent: Sunday, June 13, 2010 11:43 AM
Subject: [acom-list] Re: Acom 1000 going off tune

Could it be a ceramic capacitor changing value slightly when it gets hot? That would be
most noticeable on 50/70MHz. How is it on the lower bands?

Good luck.

--- In acom-list@yahoogroups.com, "pa5dd" <pa5dd@...> wrote:
>
> The question is whether this is an indicator problem or is the amplifier really
de-tuning.
>
> If the output changes with the tuning indication, then it is probably not an indicator
problem. Then it could be the loaded plate DC voltage varying (because the 240V AC varies).
If this is not the case, then I would indeed try a new tube.
>
> 73 Uffe PA5DD
>
> --- In acom-list@yahoogroups.com, "Martin Andrew" <martin.andrew@> wrote:
> >
> >
> > Not really a major problem but it could get worse.
> > I have an Acom 1000, about seven years old, original tube,
> > second fan fitted but not really required.
> > I only use the amplifier on 50MHz and normally around 400 Watt.
> > The amplifier has a modification for 70MHz.
> > Use both SSB and WSJT.
> > Antenna is close to tune at 1.4:1 at worst.
> >
> > Over the last few months after switch on and initial tune up I noticed
> > the amplifier would go off tune with the indicator on the front panel going
> > to the right. Re-tune, all ok then after a few minutes it goes off again. Same
> > again, re-tune all ok then off it goes again.

> > At first I suspected I had an antenna or coax problem, but get the same symptoms
> > into a good Bird 8201 dummy load capable of 500 Watt continuous.
> > If I reduce power to around 200 Watt all is stable, but what is the point of having a
> > QRO amplifier if I can only run stable at QRP powers.
> > Had the amplifier in bits and checked all accessible plugs and sockets, did not remove
> > the tube.
> > I cannot see anything even vaguely wrong, but the problem persists.
> >
> > I am running the original tube, gain is still good with indications of about 13dB gain
though
> > I do have spares available.
> >
> > Anyone got any ideas what to look for, or do I change the tube and see what happens
then.
> >
> >
> > Martin, GM6VXB
> >
> > [Non-text portions of this message have been removed]
> >
>

[Non-text portions of this message have been removed]

3612. Re: [acom-list] Re: Acom 1000 going off tune

Yahoo group: acom-list (2010 — 2016)
Date: 2010-06-17 08:16:44 UTC
From: Martin Andrew
Topic: 3602 Message: 3612

Uffe,
Thanks for the reply.
I still have the problem but it only seems to get bad if I run more than 400 Watt (real not on front panel).
I have a separate 40 Ampere feed just for the shack, but I know that voltage feed from the grid does move
by up to 5 Volts. This problem showed up more on my 8877 144MHz amplifier, now solved with a stabilizer
on the input.
I am more suspicious that the tube is getting near the end of life, measuring output with a Bird meter while watching
the front panel meter shows that when the amp goes off tune the output also drops.
Re-tuning peaks output but it is
always lower than the first reading. Let the amplifier idle for a few minutes and the original output is available for
less time before going off tune. Gain also shows a drop on the front panel metering, from 14dB to around 10/11 dB.
I think I will have to bite the bullet and change the tube, not major job to do fortunately !.

Martin, GM6VXB
----- Original Message -----
From: pa5dd
To: acom-list@yahoogroups.com
Sent: Friday, June 11, 2010 11:23 AM
Subject: [acom-list] Re: Acom 1000 going off tune

The question is whether this is an indicator problem or is the amplifier really de-tuning.

If the output changes with the tuning indication, then it is probably not an indicator problem. Then it could be the loaded plate DC voltage varying (because the 240V AC varies). If this is not the case, then I would indeed try a new tube.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Martin Andrew" <martin.andrew@...> wrote:
>
>
> Not really a major problem but it could get worse.
> I have an Acom 1000, about seven years old, original tube,
> second fan fitted but not really required.
> I only use the amplifier on 50MHz and normally around 400 Watt.
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>

> Over the last few months after switch on and initial tune up I noticed
> the amplifier would go off tune with the indicator on the front panel going
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> again, re-tune all ok then off it goes again.
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> QRO amplifier if I can only run stable at QRP powers.
> Had the amplifier in bits and checked all accessible plugs and sockets, did not remove
> the tube.
> I cannot see anything even vaguely wrong, but the problem persists.
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> I am running the original tube, gain is still good with indications of about 13dB gain
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> Anyone got any ideas what to look for, or do I change the tube and see what happens then.
>
>
> Martin, GM6VXB
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

3613. Re: RCU temperature display question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-02 10:02:46 UTC
From: sm4oti
Topic: 3561 Message: 3613

Not too accurate. I've made measurements with external high precison meter and depending on exactly (same spot over both chimnies) where you measuring over the chimney you get temp difs of several degrees (0-10 degrees Celsius). Guess the airflown through the chimnies are not exact the same on every spot on the two chimnies, so very difficult to get a very accurate idea of how close the tubes actually are working as a matched pair.

You get a hint, though, monitoring the RCU's temp-figures. If they are way too far the tubes are not matched at all.

By looking on the RCU and at the same time a couple of your fingers back and forth above the chimnies, you get quite a good idea if the tubes are producing about the same amount of heat, and then should be ok as a pair.

73 de Stefan, SM4OTI

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> How accurate are the displayed temperatures of the exhaust air?
>
> For example:
>
> I get a displayed reading for both tubes at say 53c [127f]
> I have an external temperature probe directly above the exhaust
> expanded metal openings and I get a variance. I see about 104f [40c]
>
> I know the sensors are fairly close to the top of the chimneys
> I do not have any variation when I move the external probe between the front or rear exhausts.
>
> The external temperature monitor is accurate.
>
> I am not overly concerned as the amp is performing perfectly. But recently I did have to calibrate the line voltage displayed on the RCU.
> I discussed this in another posting.
>
> This may be nit picking but anyone know what the tolerances are for any readings on the RCU?
>
> Martin KA7GKN
>

3614. Re: RCU temperature display question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-03 21:38:08 UTC
From: kamarty456
Topic: 3561 Message: 3614

Thank you Stefan, I am using a Taylor 9940 digital thermometer set
to read Fahrenheit. I am comfortable with the +/- 24 degree F variance between the external Taylor and RCU Centigrade reading.

I also varied placement of the external sensing probe. I placed the probe over the front tube, rear tube and in between. I also varied placement from direct center of the chimney to the edges and realized minimal difference as long as the probe was in the exhaust air flow.

Typically I shut the amp down after it cools to 40-50 C and I have never had any over temperature challenges.

Martin KA7GKN

--- In acom-list@yahoogroups.com, "sm4oti" <oti@...> wrote:
>
> Not too accurate. I've made measurements with external high precison meter and depending on exactly (same spot over both chimnies) where you measuring over the chimney you get temp difs of several degrees (0-10 degrees Celsius). Guess the airflown through the chimnies are not exact the same on every spot on the two chimnies, so very difficult to get a very accurate idea of how close the tubes actually are working as a matched pair.
>
> You get a hint, though, monitoring the RCU's temp-figures. If they are way too far the tubes are not matched at all.
>
> By looking on the RCU and at the same time a couple of your fingers back and forth above the chimnies, you get quite a good idea if the tubes are producing about the same amount of heat, and then should be ok as a pair.
>
> 73 de Stefan, SM4OTI
>
>
>
> --- In acom-list@yahoogroups.com, "kamarty456" <martins160@> wrote:
> >
> > How accurate are the displayed temperatures of the exhaust air?
> >
> > For example:
> >
> > I get a displayed reading for both tubes at say 53c [127f]
> > I have an external temperature probe directly above the exhaust
> > expanded metal openings and I get a variance. I see about 104f [40c]
> >
> > I know the sensors are fairly close to the top of the chimneys
> > I do not have any variation when I move the external probe between the front or rear exhausts.

> >
> > The external temperature monitor is accurate.
> >
> > I am not overly concerned as the amp is performing perfectly. But recently I did have to calibrate the line voltage displayed on the RCU.
> > I discussed this in another posting.
> >
> > This may be nit picking but anyone know what the tolerances are for any readings on the RCU?
> >
> > Martin KA7GKN
> >
>

3615. ACOM 1000 will not transmit

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-06 01:12:51 UTC
From: aa4v@bellsouth.net
Topic: 3615 Message: 3615

I have owned an ACOM 1000 amp for over 5 years (S/N 020133). I normally use it on 6M but this amp has traveled all over the world with me and I have NEVER had even a minor problem with it on any band or mode. The original 4CX800 is still in use.

This evening I switched on in the normal fashion, waited for 150 seconds and the amplifier indicated 'ready'. I keyed my Elecraft K3 and it put out 55 watts (as set) with an SWR of 1.4:1 into my SteppIR 3 el yagi. When I pushed the 'oper' button to 'green' The amplifier did not show any output and the SWR on the K3 went to 15:1. I unswitched the 'oper' button and again keyed the K3 and it showed 55 watts and 1.4:1 SWR. I recycled the power switch on the 1000 and the same thing occurred...no output. I then switched off and unplugged the amp from the main (240 volts) and waited for 5 minutes.

I reinserted the plug, went through the waiting period, switched the 'oper' to green and still no output. When keying the 1000, the plate voltage on the meter went from 2865 v to 2780 v. Still no output.

Any ideas?

Steve AA4V
843-834-1616

3616. Re: ACOM 1000 will not transmit

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-06 08:25:56 UTC
From: g4wjs
Topic: 3615 Message: 3616

--- In acom-list@yahoogroups.com, "aa4v@..." <aa4v@...> wrote:
>
> I have owned an ACOM 1000 amp for over 5 years (S/N 020133). I normally use it on 6M but this amp has traveled all over the world with me and I have NEVER had even a minor problem with it on any band or mode. The original 4CX800 is still in use.
>
> This evening I switched on in the normal fashion, waited for 150 seconds and the amplifier indicated 'ready'. I keyed my Elecraft K3 and it put out 55 watts (as set) with an SWR of 1.4:1 into my SteppIR 3 el yagi. When I pushed the 'oper' button to 'green' The amplifier did not show any output and the SWR on the K3 went to 15:1. I unswitched the 'oper' button and again keyed the K3 and it showed 55 watts and 1.4:1 SWR. I recycled the power switch on the 1000 and the same thing occurred...no output. I then switched off and unplugged the amp from the main (240 volts) and waited for 5 minutes.
>
> I reinserted the plug, went through the waiting period, switched the 'oper' to green and still no output. When keying the 1000, the plate voltage on the meter went from 2865 v to 2780 v. Still no output.
>
> Any ideas?

Hi Steve,

Sounds like an input relay fault. I say that because it would explain the high input VSWR on Tx and it would not cause any fault indications on the amp controller since there is no RF for it to monitor.

>
> Steve AA4V
> 843-834-1616
>

HTH
Bill
G4WJS

3617. RCU problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-10 11:55:46 UTC
From: ea3in
Topic: 3617 Message: 3617

Hello

I have my ACOM2000A since 2004

Today the RCU doesn't power on. If you try a few times sometimes you can see a "2" character and hear a beep, but not always.

I have replaced the RCU with one from a friend of mine and the AMP is ok.

So it seems that there is something wrong with my RCU.

A battery problem?

Any idea?

Thanks in advance

3618. RE: [acom-list] RCU problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-10 12:25:08 UTC
From: Bob Naumann
Topic: 3617 Message: 3618

Open up your RCU and check all of the connectors and check the IC in a socket. Sometimes these connections get corroded and you need to make them again.

If this does not make it work properly you may have to send the RCU to your dealer in your country.

73,

Bob W5OV
Array Solutions
USA ACOM Dealer / Service Center

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ea3in
Sent: Saturday, July 10, 2010 6:56 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] RCU problem

Hello

I have my ACOM2000A since 2004

Today the RCU doesn't power on. If you try a few times sometimes you can see a "2" character and hear a beep, but not always.

I have replaced the RCU with one from a friend of mine and the AMP is ok.

So it seems that there is something wrong with my RCU.

A battery problem?

Any idea?

Thanks in advance

Yahoo! Groups Links

3619. Re: Remote-on adapter

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-12 18:41:46 UTC
From: ki4ge
Topic: 3585 Message: 3619

I finally succeeded in getting the ACOM Remote On adapter working with TRX Manager. All features are now fully operative.

I discovered that it is critically important to place a jumper between pins 2 and 3 on the antenna switch connector of the adapter if the ACOM antenna switch is not used. This jumper is necessary to complete the connection, within the adapter, between the ACOM and the computer.

The jumper is not needed if the ACOM Antenna Switch is connected to the adapter thru the Antenna Switch's "AMP" connector and the switch is set to AMP.

I have also discovered that I need to rapidly click several times on the TRX-ACOM "ON" button to switch the amp on. A single click is not enough to turn the amp on. Rapidly clicking 3 times always turns the amp on.

Thanks again to Laurent for developing this fine interface with the ACOM 2000 and TRX-Manager.

73. Jerry, KI4GE

--- In acom-list@yahoogroups.com, "ki4ge" <KI4GE@...> wrote:
>
>
> Is anyone using the ACOM "Remote On" adapter with TRX-Manager?
>
> I have two of the adapters and have not been able to get either one of them to work properly after working with them for many months.
>
> I have been using TRX-Manager for sevaral years to successfully operate a remote station over the internet and have found it to be a very robust and capable progam that does almost everything I need it to do from anywhere in the world as long as I have a reliable, high speed internet connection (thanks to the hard work and insight of Laurent in developing and supporting the program).
>
> I have two of the "remote On adapters" but have been unsuccesful in getting either of them to work properly.
>
> The internet operation works great without the adapter connected. However, when I install the adapter(either one) the ACOM 2000 does not work properly.
>
> When the adapter is installed, TRX-ACOM does not properly communicate with the ACOM 2000. The tracking function at the top on the TRX ACOM display display shows the proper frequency, which agrees with the frequency displayed on the ICOM 756 Pro III.
>
> The middle display shows that the ACOM 2000 is "ON" but the status of the amplifier cycles between "amp ready" to "switching" with no results. Plus,if I try to shut the amp

dowm by clicking on the "shutdown button" or switching from "SBY" to "OPR" nothing happens, even though the software says it is doing what I ask it to do.
>
> Plus, I cannot restart the amp by clicking on the "on" Button as well. I have tried several "null modem" cables but the results are the same.
>
> Since I have two differnt ACOM built "remote On" adapters, it is hard to believe that both are bad, since both were built by ACOM. After many experiments, the only conclusion I am left with is that there is a software conflict somewhere either in my computer or within TRX-Manager itself. It works the same way, either with or without a "SEALINK Serial Server" online.
>
> I am sure that Laurent and Stan at ACOM have tested this capability successfuly before the adapter was released and Laurent incorporated it into TRX-Manager.
>
> I have been frustrated after trying everything I can think of and have even had my son (who is a computer network engineer) help me in trying to resolve this issue. The "Remote On - Remote Off" feature is the only thing that I am missing in having a superb internet controlled means of controlling my system.
>
> To this point, I have been surviving by having my brother (who lives nearby) restart the amp when I need that done, which works but is far from optimum.
>
> At this point, I strongly suspect that I have a software conflict that I have not yet identified.
>
> Any suggestions are appreciated.
>
> Thanks for the help.
>
> KI4GE
>
> --- In acom-list@yahoogroups.com, marcelo@ wrote:
> >
> >
> >
> > Hello
> > I've learned that there is an adapter that allows remote switching on of the ACOM
> > 2000A
> > http://k5fr.com/ddutilwiki/images/RPon.JPG
> > Does anyone knows where can I find it?
> > 73 DX
> > Marcelo, PY1KN
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

3620. 2000A HV VOLTAGE TOO LOW AT POWER ON:0.00kV

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-12 22:38:51 UTC
From: Sam Leslie - W4PK
Topic: 3620 Message: 3620

Hello all:

I have a very old 2000A (SN137) which is giving the above error message. I have gone through it to make sure the HV transformer is good, the connections good, and the HV rectifier board appears to be good (as far as I can tell with a VOM). The HV on this amplifier has always read about 30% low, so I suspect that one of the three 1M resistors (R10, 11, & 12) on the HV filter board has opened up. Otherwise there are no burn marks anywhere nor do I smell anything that could indicate a burned component or connector.

But this is only a suspicion and due to the difficulty of getting at the HV filter board I thought I would ask first to see if any of you have had a similar problem? Is there anything else that you may have encountered that could cause this error message?

73, Sam W4PK

[Non-text portions of this message have been removed]

3621. Re: [acom-list] 2000A HV VOLTAGE TOO LOW AT POWER ON:0.00kV

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-12 23:54:52 UTC
From: Brian Alsop
Topic: 3620 Message: 3621

Hi Sam,

I noticed that and had ACOM send me the replacement resistors. I never installed them. As luck would have it I have the three resistors.

Should I send them to you?

73 de Brian/K3KO

3622. Remote on adapter where to Buy?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 04:14:31 UTC
From: kg4lru@aol.com
Topic: 3622 Message: 3622

Where can I purchased the remote ON adapter I have a 2000 a That I would like to try some remote work.

Phil AI4DQ

[Non-text portions of this message have been removed]

3623. AW: [acom-list] Remote on adapter where to Buy?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 06:53:09 UTC
From: Markus Schleutermann
Topic: 3622 Message: 3623

Hi Phil

See www.dxsupply.com<http://www.dxsupply.com>, there you will find what you are looking for, very nice guy, fast delivery!

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von kg4lru@...
Gesendet: Dienstag, 13. Juli 2010 06:15
An: acom-list@yahoogroups.com
Betreff: [acom-list] Remote on adapter where to Buy?

Where can I purchased the remote ON adapter I have a 2000 a That I would like to try some remote work.

Phil AI4DQ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3624. Re: Remote on adapter where to Buy?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 12:17:23 UTC
From: ki4ge
Topic: 3622 Message: 3624

I bought mine from Array Solutions.

Jerry, KI4GE

--- In acom-list@yahoogroups.com, kg4lru@... wrote:
>
> Where can I purchased the remote ON adapter I have a 2000 a That I would
> like to try some remote work.
>
> Phil AI4DQ
>
>
> [Non-text portions of this message have been removed]
>

3625. Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 15:47:24 UTC
From: g4mkp
Topic: 3625 Message: 3625

...message at start up 'Heater Voltage Too Low 0.06V'. Troubleshooter says to check mains voltage - it's at 240V. Any ideas please?

Cheers,

Terry
G4MKP

3626. Re: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 17:19:10 UTC
From: k3pp@k3pp.com
Topic: 3625 Message: 3626

Hi Terry,

You probably have a fried Molex connector in the filament power supply chain. There are two with notorious reputations. One is on the lowest power supply board next to the big XFMR and another under the tube deck. Check them. They're clearly visible. They'll be discolored (brownish).

I fixed both of mine by cutting off the connector and soldering direct. The one under the tube deck is accessible via the little plate on the bottom of the amp. It's a pain to resolder, but obviously possible with some care.

There are a bunch of suggestions with far more detail than I can offer here. Search the acom-list archive.

GL ES VY 73 de Glenn K3PP
Sent via BlackBerry by AT&T

-----Original Message-----
From: "g4mkp" <terryburbidge@...>
Sender: acom-list@yahoogroups.com
Date: Tue, 13 Jul 2010 15:47:24
To: <acom-list@yahoogroups.com>
Reply-To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Heater Voltage Too Low

....message at start up 'Heater Voltage Too Low 0.06V'. Troubleshooter says to check mains voltage - it's at 240V. Any ideas please?

Cheers,

Terry
G4MKP

[Non-text portions of this message have been removed]

3627. Re: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 18:51:41 UTC
From: Terry Burbidge
Topic: 3625 Message: 3627

Thanks Glenn, looks like you were spot on. I have uploaded a few photos into the Group Acom2000A Album of the cooked Molex on the bottom board adjacent to the transformer. I've never replaced or wired a Molex connector. I could solder direct to the pins as you suggest but would appreciate any further comments before I commit and start cutting wires.

Cheers,

Terry

G4MKP

[Non-text portions of this message have been removed]

3628. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 19:13:05 UTC
From: arnie lewin
Topic: 3625 Message: 3628

I too, have uploaded four pictures of "Cooked Molex Connectors" to the Photo Section.

Please see "More Cooked Molex Connectors" for those pictures.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Terry Burbidge
Sent: Tuesday, July 13, 2010 11:52 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A Heater Voltage Too Low

Thanks Glenn, looks like you were spot on. I have uploaded a few photos into the Group Acom2000A Album of the cooked Molex on the bottom board adjacent to the transformer. I've never replaced or wired a Molex connector. I could solder direct to the pins as you suggest but would appreciate any further comments before I commit and start cutting wires.

Cheers,

Terry

G4MKP

[Non-text portions of this message have been removed]

3629. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 20:46:53 UTC
From: Terry Burbidge
Topic: 3625 Message: 3629

I went straight for the solder on to the pins. The Amp is back up and running! Will soak test overnight and inspect the plumbing in the morning. Phew.

Cheers,

Terry

G4MKP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Terry Burbidge
Sent: 13 July 2010 19:52
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A Heater Voltage Too Low

Thanks Glenn, looks like you were spot on. I have uploaded a few photos into the Group Acom2000A Album of the cooked Molex on the bottom board adjacent to the transformer. I've never replaced or wired a Molex connector. I could solder direct to the pins as you suggest but would appreciate any further comments before I commit and start cutting wires.

Cheers,

Terry

G4MKP

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.830 / Virus Database: 271.1.1/2998 - Release Date: 07/13/10 07:36:00

[Non-text portions of this message have been removed]

3630. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-13 22:11:31 UTC
From: Hal Kennedy
Topic: 3625 Message: 3630

Good choice Terry. Returning one of my two 2000As for this problem some years ago, the factory service consisted of replacing the Molex on the P/S board with a better one, and jumpering straight across the one down by the tube sockets. The comment from ACOM at the time was replacing the connector near the tubes "was like open heart surgery," and they just didn't think it was worth taking the amp completely apart to add a connector where none was really needed in the first place.

As an EE, and having crawled through every wire of the amp and the schematic - I agree. The Molex down by the sockets is best removed and thrown in a trashcan. These are great amps, but all sophisticated products have their little bugs. Newer serial numbers are reported to have the filament connector issues fixed. If anyone owns an old 2000A and has not had low voltage filament faults so far - you probably will sooner or later. Just jump the otherwise useless connector at the sockets and get on with enjoying your amp.

73,
Hal N4GG

[Non-text portions of this message have been removed]

3631. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-14 08:55:48 UTC
From: Terry Burbidge
Topic: 3625 Message: 3631

Just finish this thread.overnight soak test appears to have been successful.
Amp up and running. Thanks for the help and advice.

Cheers,

Terry

G4MKP

.

<http://geo.yahoo.com/serv?s=97359714/grpId=1187256/grpspId=1705063108/msgId
=3630/stime=1279059109/nc1=6083913/nc2=4025291/nc3=5741395>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.830 / Virus Database: 271.1.1/2998 - Release Date: 07/13/10
07:36:00

[Non-text portions of this message have been removed]

3632. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-16 13:55:48 UTC
From: Bill NY9H
Topic: 3625 Message: 3632

anybody take pictures after they hard wired the filament lines????
curious minds want to see,,,,,
bill/3

At 04:55 AM 7/14/2010, you wrote:
>Just finish this thread.overnight soak test appears to have been successful.
>Amp up and running. Thanks for the help and advice.

[Non-text portions of this message have been removed]

3633. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-16 15:23:17 UTC
From: Terry Burbidge
Topic: 3625 Message: 3633

Sorry, was too embarrassed to show my soldering! What I can say is that I simply tinned the exposed pins on the board and wires and then sweated them together. Not very elegant I must say. Next time I take the lid off I'll take some photos and finish the story.

Cheers,

Terry

G4MKP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill NY9H
Sent: 16 July 2010 14:56
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Heater Voltage Too Low

anybody take pictures after they hard wired the filament lines????
curious minds want to see,,,,,
bill/3

At 04:55 AM 7/14/2010, you wrote:
>Just finish this thread.overnight soak test appears to have been successful.
>Amp up and running. Thanks for the help and advice.

[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.830 / Virus Database: 271.1.1/2998 - Release Date: 07/15/10 19:35:00

[Non-text portions of this message have been removed]

3634. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-16 15:30:00 UTC
From: Bill NY9H
Topic: 3625 Message: 3634

tnx

did you just do the ones on the board or also the ones under the tubes/??

At 11:23 AM 7/16/2010, you wrote:
>Sorry, was too embarrassed to show my soldering! What I can say is that I
>simply tinned the exposed pins on the board and wires and then sweated them
>together. Not very elegant I must say. Next time I take the lid off I'll
>take some photos and finish the story.
>
>
>
>Cheers,
>
>
>
>Terry
>
>G4MKP
>
>
>
>
>
> _____
>
>From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
>Of Bill NY9H
>Sent: 16 July 2010 14:56
>To: acom-list@yahoogroups.com
>Subject: RE: [acom-list] Acom 2000A Heater Voltage Too Low
>
>
>
>
>
>anybody take pictures after they hard wired the filament lines????
>curious minds want to see,,,,,
>bill/3
>
>At 04:55 AM 7/14/2010, you wrote:
> >Just finish this thread.overnight soak test appears to have been
>successful.
> >Amp up and running. Thanks for the help and advice.
>

>[Non-text portions of this message have been removed]
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>
>No virus found in this incoming message.
>Checked by AVG - www.avg.com
>Version: 9.0.830 / Virus Database: 271.1.1/2998 - Release Date: 07/15/10
>19:35:00
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[Non-text portions of this message have been removed]

3635. RE: [acom-list] Acom 2000A Heater Voltage Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-16 15:33:31 UTC
From: Terry Burbidge
Topic: 3625 Message: 3635

Just on the Low Voltage board adjacent to the transformer. I visually inspected everything in and around the tubes and no sign of overheating. In fact, no sign of overheating anywhere else.

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill NY9H
Sent: 16 July 2010 16:30
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Heater Voltage Too Low

tnx

did you just do the ones on the board or also the ones under the tubes/??

At 11:23 AM 7/16/2010, you wrote:
>Sorry, was too embarrassed to show my soldering! What I can say is that I
>simply tinned the exposed pins on the board and wires and then sweated them
>together. Not very elegant I must say. Next time I take the lid off I'll
>take some photos and finish the story.
>
>
>
>Cheers,
>
>
>
>Terry
>
>G4MKP
>
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>
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>
> _____
>
>From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
>Of Bill NY9H
>Sent: 16 July 2010 14:56
>To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>Subject: RE: [acom-list] Acom 2000A Heater Voltage Too Low
>

>
>
>
>
>anybody take pictures after they hard wired the filament lines????
>curious minds want to see,,,,,
>bill/3
>
>At 04:55 AM 7/14/2010, you wrote:
> >Just finish this thread.overnight soak test appears to have been
>successful.
> >Amp up and running. Thanks for the help and advice.
>
>[Non-text portions of this message have been removed]
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>
>No virus found in this incoming message.
>Checked by AVG - www.avg.com
>Version: 9.0.830 / Virus Database: 271.1.1/2998 - Release Date: 07/15/10
>19:35:00
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>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 9.0.830 / Virus Database: 271.1.1/2998 - Release Date: 07/15/10
19:35:00

[Non-text portions of this message have been removed]

3636. ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-18 13:30:23 UTC
From: David J. Strout
Topic: 3636 Message: 3636

Has anyone else had the problem where the 2000A stays
stuck in "Arc Fault"? Warms up OK, at first key reads
"Arc Fault" and even resetting the RCU doesn't
clear it. Problems exists on any antenna, all of which
are under 1.3:1, all coax cables and connectors
checked out. Same result into dummy load.
Thanks, W2YC
==========
email: djsatty@...

3637. Re: [acom-list] ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-18 13:40:38 UTC
From: Paul M Dunphy
Topic: 3636 Message: 3637

At 10:30 AM 7/18/2010, you wrote:
>Has anyone else had the problem where the 2000A stays
>stuck in "Arc Fault"? Warms up OK, at first key reads
>"Arc Fault" and even resetting the RCU doesn't
>clear it. Problems exists on any antenna, all of which
>are under 1.3:1, all coax cables and connectors
>checked out. Same result into dummy load.
>Thanks, W2YC
>================================
>email: djsatty@...

Just a guess, but I wonder if there is a common piece of coax,
barrel connector etc. that is shorting before your antenna switch? I
have seen this with an ACOM-1000. All antennas seems fine with the
metre/analyzer, but when you hit them with RF, they arc/short. If
you can, take one known good antenna and connect it directly to the
amp, bypassing all switches, etc. That will 100% eliminate the
antenna system(s) and narrow it down to the amp.

The only other time I saw this as a "false alarm" was when RF
got into the MPU of my ACOM-1000 on 6M, and that was fixed with
chokes on the relay and mains cables.

I'm looking for a simple fix here, because if it is internal to
the ACOM-2000A, it might be hard to diagnose.

73, Paul VE1DX

3638. Re: ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-18 16:23:20 UTC
From: kamarty456
Topic: 3636 Message: 3638

The ACOM is very sensitive to coax cable and antenna switch challenges.
You should connect your ACOM directly to a dummy load bypassing all other coax stuff to ensure it is not the amplifier.

I had a similar challenge years ago. I found a 90 degree UHF adapter was bad...I could not find any fault using a DC ohmmeter, but when replaced all was fine!

I also had a short coax jumper with corrosion or dried solder flux on the tip. Again using a DC ohmmeter all was fine. when cleaned up the amp worked fine.

Finally check your coax switches...I had an alpha delta 1985 vintage and had arc faults...cleaning the switch and replacing the arc tube did not solve the fault..I replaced the switch with an ICE coax switch and no arc faults.

In troubleshooting an arc fault the plan is to first ensure the amp is perfect then move to your RF distribution.

Please be sure to return here and let us know what you did to solve your problem. Others may learn from your results.

Martin KA7GKN

--- In acom-list@yahoogroups.com, "David J. Strout" <djsatty@...> wrote:
>
> Has anyone else had the problem where the 2000A stays
> stuck in "Arc Fault"? Warms up OK, at first key reads
> "Arc Fault" and even resetting the RCU doesn't
> clear it. Problems exists on any antenna, all of which
> are under 1.3:1, all coax cables and connectors
> checked out. Same result into dummy load.
> Thanks, W2YC
> ================================
> email: djsatty@...
>

3639. Re: [acom-list] Re: ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-18 16:42:31 UTC
From: Paul M Dunphy
Topic: 3636 Message: 3639

At 01:23 PM 7/18/2010, kamarty456 wrote, in part:

>Please be sure to return here and let us know what you did to solve
>your problem. Others may learn from your results.
>
>
>Martin KA7GKN

David,

I concur. Often a list member describes a problem, several
options are offered and we as a collective group of ACOM owners never
know which one, if any, fixed the problem. Please let us know how
you make out, as sooner or later many of us may encounter the same or
similar problem(s)

73, Paul VE1DX

3640. Filament connector

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-19 19:34:30 UTC
From: npalex@bellsouth.net
Topic: 3640 Message: 3640

For a more reliable replacement connector, take a look at this series of assemblies. Broad range of current, and the part is quite compact. Screw terminals on wire side, solder on PCB side (or it to can be wire connected).

A German company product, Digi Key handles similar components

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=&parentUID=&reloadFrame=true

Norm W4QN

3641. COMBICOM

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-20 12:56:38 UTC
From: Norman Alexander
Topic: 3641 Message: 3641

The URL in my preceding email is not very clear as to which series, choose the COMBICOM they have a variety of configurations of PCB and inline versions and current ratings up to 43AMPS

Norm W4QN

[Non-text portions of this message have been removed]

3642. ACOM-1000 default LCD screen

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-22 14:50:15 UTC
From: k3kok3ko
Topic: 3642 Message: 3642

Mine used to start up showing the ......!...... screen after warmup.

Now it shows exhaust gas temp!

Anyway to change it back permanently?

73 de Brian/K3KO

3643. Re: [acom-list] ACOM-1000 default LCD screen

Yahoo group: acom-list (2010 — 2016)
Date: 2010-07-22 15:35:36 UTC
From: Brian Alsop
Topic: 3642 Message: 3643

k3kok3ko wrote:
> Mine used to start up showing the ......!...... screen after warmup.
>
> Now it shows exhaust gas temp!
>
> Anyway to change it back permanently?
>
> 73 de Brian/K3KO
>
>
Bob G4HZV helped me solve this.

To get it to remember the last displayed screen, you have to turn it off via the front panel on/off switch. Lately due to pop up thunderstorms, I've been reaching for the back ON/OFF switch. That doesn't "remember" the setting.

73 de Brian/K3KO

3644. Which auto tuner to use with ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-06 08:27:32 UTC
From: Adam
Topic: 3644 Message: 3644

What kind of auto tuner is proper to use together with ACOM 1010?
Any suggestions?

3645. Re: Which auto tuner to use with ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-06 14:44:23 UTC
From: kamarty456
Topic: 3644 Message: 3645

I suggest the Palstar AT-Tuner

Be aware Palstar has stopped selling it but not to worry
HRO AES and others still have them in stock
The tuner WILL be supported by the designer.

Without going into details here he has left Palstar and is establishing his own company to support the tuner. He will also be designing upgrade software and a matching auto antenna switch.

There is a Palstar AT-Tuner reflector on yahoo groups...you may want to join it.

Martin KA7GKN

--- In acom-list@yahoogroups.com, "Adam" <sjolle2001@...> wrote:
>
> What kind of auto tuner is proper to use together with ACOM 1010?
> Any suggestions?
>

3646. aCOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-08 19:17:43 UTC
From: DAVID GILLIES
Topic: 3646 Message: 3646

About 6 weeks ago after letting the amp warm up for the required time, I switched to OPER and it made a loud fizzing noise, the diplay flickered for a couple of seconds and then the whole amp just shut down. I restarted it and all seemed ok and has been fine since, the only noticeable difference is that it produces approx 200w less than before . The error code it gives is 1APR06 000000 0C481A 1B889A 6720DC D77FDE. I have'nt looked inside to see if anything obvious has happened but maybe some of the good people on here can give me a few pointers as to the problem.

73
dAVID.

[Non-text portions of this message have been removed]

3647. filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-14 19:12:00 UTC
From: kamarty456
Topic: 2508 Message: 3647

This is a reminder for you to clean your filter on the amplifier!

Dust build up = reduced air flow = poor cooling = potential amplifier failures!!!!

We tend to overlook cleaning the filter on a regular basis.

I clean my quite often as it's quite dusty here in Arizona. I even have a pre-filter and do not rely upon only the thin foam filter supplied.

The filters were 80% clogged with dust [3 months run time]! a few moments washing and drying them and I'll be good for another 3 months!

I'd also suggest you blow the dust out of your power supplies or any other devices that have forced air cooling. It couldn't hurt!

Martin KA7GKN

3648. Line voltage problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-16 11:18:07 UTC
From: nlq@postown.net
Topic: 3648 Message: 3648

Hi,
When I turn on my ACOM 2000A, heater LED on RCU blinks and amplifier is turned off immediately with a warning ¡°-12V TOO HIGH-10.7V¡±.

According to the manual this fault occurs when line voltage is too high. But my line voltage is about 215V and amplifier is wired at 220V so line voltage is not actually high. I wonder why this fault happens. Please help me if there are someone who know about this problem.

Thanks,
HL5NLQ,Kang

3649. Re: Line voltage problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-16 15:55:26 UTC
From: bobhzv
Topic: 3648 Message: 3649

Kang,

I don't have a 2000A, I have a 1000, but the fault might have a similar origin to one I had recently. The monitoring software is only as good as the metering accuracy, so if the A/D is reporting the wrong value, the main processor has no way of knowing it's wrong and just assumes it's correct and responds accordingly. So if the processor thinks the voltage is wrong, it will follow its program and turn off the amplifier.

If there are any other levels, voltages or even temperature that you can check using the amplifier's metering, have a look and see if it's reporting more of less the expected values. If everything looks right, then it's not a measurement or metering problem and I've no idea what it might be. In the case of my 1000, the A/D reference voltage was wrong, which meant all the meter readings were high, causing the amplifier to switch off (Solved by Vine Antennas' excellent engineer).

Good luck.

--- In acom-list@yahoogroups.com, nlq@... wrote:
>
> Hi,
> When I turn on my ACOM 2000A, heater LED on RCU blinks and amplifier is turned off immediately with a warning ¡°-12V TOO HIGH-10.7V¡±.
>
> According to the manual this fault occurs when line voltage is too high. But my line voltage is about 215V and amplifier is wired at 220V so line voltage is not actually high. I wonder why this fault happens. Please help me if there are someone who know about this problem.
>
> Thanks,
> HL5NLQ,Kang
>

3650. Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-20 14:41:50 UTC
From: Nick - VE3EY
Topic: 3650 Message: 3650

Does anyone have the instructions how to make the voltage selector changes on ACOM 1010? I can't find this in the manual.
It looks like the changes must be made by moving the solder-in jumpers around on the PC board inside the amp.

73, Nick
ve3ey

[Non-text portions of this message have been removed]

3651. Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-23 15:25:46 UTC
From: Andrey
Topic: 3650 Message: 3651

Did you remove the cover already? I am not sure how it is with ACOM 1010 but the ACOM 1000 usualy has a sticker on the inside of the cover describing the voltage selection.

73
AE1S

--- In acom-list@yahoogroups.com, Nick - VE3EY <nick.ve3ey@...> wrote:
>
> Does anyone have the instructions how to make the voltage selector changes
> on ACOM 1010? I can't find this in the manual.
> It looks like the changes must be made by moving the solder-in jumpers
> around on the PC board inside the amp.
>
> 73, Nick
> ve3ey
>
>
> [Non-text portions of this message have been removed]
>

3652. Re: [acom-list] Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-24 11:33:15 UTC
From: VE3EY
Topic: 3650 Message: 3652

Hi Andrey

It looks as if neither ACOM 1000 or ACOM 1010 amps have much details in
their manual about changing the Mains Voltage. I am unsure if changing
the voltage is the same on both.

I took the cover off and here is what it looks like on ACOM 1010:

http://dx.fireroute.com/DSC_0261s.JPG

I will contact the distributor for details.

Thanks for your help
73, Nick
ve3ey

On 8/23/2010 11:25 AM, Andrey wrote:
>
>
> Did you remove the cover already? I am not sure how it is with ACOM 1010
> but the ACOM 1000 usualy has a sticker on the inside of the cover
> describing the voltage selection.
>
> 73
> AE1S
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> Nick - VE3EY <nick.ve3ey@...> wrote:
> >
> > Does anyone have the instructions how to make the voltage selector
> changes
> > on ACOM 1010? I can't find this in the manual.
> > It looks like the changes must be made by moving the solder-in jumpers
> > around on the PC board inside the amp.
> >
> > 73, Nick
> > ve3ey
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>

3653. RE: [acom-list] Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-24 11:44:09 UTC
From: Kees - pa7two
Topic: 3650 Message: 3653

Hi Andrey,

The voltage can be changed by remove these wire bridges and re-positioning them in one of the other combinations. I do recall this is explained in the user manual on the service CD. Contact me directly for digital documents I have available.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

> To: acom-list@yahoogroups.com
> CC: kotjunk@...
> From: nick.ve3ey@...
> Date: Tue, 24 Aug 2010 07:33:15 -0400
> Subject: Re: [acom-list] Re: Voltage selector for ACOM 1010
>
> Hi Andrey
>
> It looks as if neither ACOM 1000 or ACOM 1010 amps have much details in
> their manual about changing the Mains Voltage. I am unsure if changing
> the voltage is the same on both.
>
> I took the cover off and here is what it looks like on ACOM 1010:
>
> http://dx.fireroute.com/DSC_0261s.JPG
>
> I will contact the distributor for details.
>
> Thanks for your help
> 73, Nick
> ve3ey
>
>
>
> On 8/23/2010 11:25 AM, Andrey wrote:
> >
> >
> > Did you remove the cover already? I am not sure how it is with ACOM 1010
> > but the ACOM 1000 usualy has a sticker on the inside of the cover
> > describing the voltage selection.
> >
> > 73
> > AE1S
> >
> > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,

> > Nick - VE3EY <nick.ve3ey@...> wrote:
> > >
> > > Does anyone have the instructions how to make the voltage selector
> > changes
> > > on ACOM 1010? I can't find this in the manual.
> > > It looks like the changes must be made by moving the solder-in jumpers
> > > around on the PC board inside the amp.
> > >
> > > 73, Nick
> > > ve3ey
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

3654. Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 12:29:39 UTC
From: Uffe
Topic: 3650 Message: 3654

This is not true for the ACOM 1000. Look at the simplified schematic in the Files section of this group. It has the connection matrix for the two transformers with relation to the mains voltage.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, VE3EY <nick.ve3ey@...> wrote:
>
> Hi Andrey
>
> It looks as if neither ACOM 1000 or ACOM 1010 amps have much details > in their manual about changing the Mains Voltage.

3655. RE: [acom-list] Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 14:04:00 UTC
From: Ron NØAT
Topic: 3650 Message: 3655

Since I travel with my ACOM 1010, I need to change the voltage selection out in the field. You never know for sure what voltage selection you need until you get there.

To change the voltage selection you have to unsolder pc board jumpers and install new jumpers in different locations. I was concerned about pulling the plating out of the holes in the pc board. Some of the pc board traces are on the bottom of the board, and field repair could be difficult.

I installed screw terminals into all the pc board jumper holes. Now I can use the screw terminals to move wire jumpers around on the board. This is relatively easy to accomplish out in the field. If you like, I have pictures I can send you.

Reminder: When you change the voltage selection don't forget to make sure you have the proper mains fuse in place.

73 de Ron NØAT

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of VE3EY
Sent: Tuesday, August 24, 2010 06:33
To: acom-list@yahoogroups.com
Cc: Andrey
Subject: Re: [acom-list] Re: Voltage selector for ACOM 1010

Hi Andrey

It looks as if neither ACOM 1000 or ACOM 1010 amps have much details in their manual about changing the Mains Voltage. I am unsure if changing the voltage is the same on both.

I took the cover off and here is what it looks like on ACOM 1010:

http://dx.fireroute.com/DSC_0261s.JPG

I will contact the distributor for details.

Thanks for your help
73, Nick
ve3ey

On 8/23/2010 11:25 AM, Andrey wrote:
>
>
> Did you remove the cover already? I am not sure how it is with ACOM 1010
> but the ACOM 1000 usualy has a sticker on the inside of the cover

> describing the voltage selection.
>
> 73
> AE1S
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> Nick - VE3EY <nick.ve3ey@...> wrote:
> >
> > Does anyone have the instructions how to make the voltage selector
> changes
> > on ACOM 1010? I can't find this in the manual.
> > It looks like the changes must be made by moving the solder-in jumpers
> > around on the PC board inside the amp.
> >
> > 73, Nick
> > ve3ey
> >
> >
> > [Non-text portions of this message have been removed]
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Yahoo! Groups Links

3656. I need a simple answer please

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 15:06:52 UTC
From: Sonny
Topic: 3656 Message: 3656

I am thinking serious about an ACOM 1000. From what I have learned on this group the Acom does not like any line voltage about 240. My line voltage, which according to my power company is within their specs, is running between 244 to 250 volts depending on the time of day.

Am I right to assume that the Acom will not like this and without changing the transformer I have no other options?

Thanks, AB4VV.....

3657. Re: I need a simple answer please

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 15:51:15 UTC
From: bobhzv
Topic: 3656 Message: 3657

Not very different from my QTH. Although UK mains should be 230 V (+10% 722;6%), my local supply is often running near the +10% tolerance limit, so ~250V. RF output power changes a bit with the varying supply voltage, but apart from that, no problem. I've had my 1000 for 9 years.

73 Bob

--- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
>
> I am thinking serious about an ACOM 1000. From what I have learned on this group the Acom does not like any line voltage about 240. My line voltage, which according to my power company is within their specs, is running between 244 to 250 volts depending on the time of day.
>
> Am I right to assume that the Acom will not like this and without changing the transformer I have no other options?
>
> Thanks, AB4VV.....
>

3658. Re: [acom-list] I need a simple answer please

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 16:00:47 UTC
From: W5OV@w5ov.com
Topic: 3656 Message: 3658

The Acom 1000 has multiple taps on the power supply and can operate anywhere from +/- 10% of each tap setting. (Total operating range of 170 to 264v).

It will work fine with your line voltage set to the 240v tap.

Where did the report of it not liking higher than 240v come from? Not from Acom.

73,

Bob W5OV
Array Solutions
Acom US Distributor / Warranty Repair

> I am thinking serious about an ACOM 1000. From what I have learned on this
> group the Acom does not like any line voltage about 240. My line voltage,
> which according to my power company is within their specs, is running
> between 244 to 250 volts depending on the time of day.
>
> Am I right to assume that the Acom will not like this and without changing
> the transformer I have no other options?
>
> Thanks, AB4VV.....
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> Yahoo! Groups Links
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3659. Re: [acom-list] Re: I need a simple answer please

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 16:05:39 UTC
From: Jim Cox
Topic: 3656 Message: 3659

The voltage on my 1000 always runs above 240, usually about 246 or so and occasionally 250. No problem at all here with the 1000.

Jim K4JAF

----- Original Message -----
From: bobhzv
To: acom-list@yahoogroups.com
Sent: Wednesday, August 25, 2010 10:51 AM
Subject: [acom-list] Re: I need a simple answer please

Not very different from my QTH. Although UK mains should be 230 V (+10% −6%), my local supply is often running near the +10% tolerance limit, so ~250V. RF output power changes a bit with the varying supply voltage, but apart from that, no problem. I've had my 1000 for 9 years.

73 Bob

--- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
>
> I am thinking serious about an ACOM 1000. From what I have learned on this group the Acom does not like any line voltage about 240. My line voltage, which according to my power company is within their specs, is running between 244 to 250 volts depending on the time of day.
>
> Am I right to assume that the Acom will not like this and without changing the transformer I have no other options?
>
> Thanks, AB4VV.....
>

[Non-text portions of this message have been removed]

3660. Re: I need a simple answer please--

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 16:18:41 UTC
From: Sonny
Topic: 3656 Message: 3660

Thanks for the answer Bob.

One other thing that bothers me that you can perhaps clear up is that Alpha is no longer using the 4CX800 tubes that the Acom uses. They state that the supply is not there and the tubes that are on the market are from the 1970's to 1990's.

What I want out of an amp is one that will last me a very long time and if I need a new tube I will be able to get one. Also why is it that Acom says to not try and change out the tube yourself but to send the unit in for the Repair Center to do?

Thanks, AB4VV......

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> The Acom 1000 has multiple taps on the power supply and can operate
> anywhere from +/- 10% of each tap setting. (Total operating range of 170
> to 264v).
>
> It will work fine with your line voltage set to the 240v tap.
>
> Where did the report of it not liking higher than 240v come from? Not from
> Acom.
>
> 73,
>
> Bob W5OV
> Array Solutions
> Acom US Distributor / Warranty Repair
>
> > I am thinking serious about an ACOM 1000. From what I have learned on this
> > group the Acom does not like any line voltage about 240. My line voltage,
> > which according to my power company is within their specs, is running
> > between 244 to 250 volts depending on the time of day.
> >
> > Am I right to assume that the Acom will not like this and without changing
> > the transformer I have no other options?
> >
> > Thanks, AB4VV.....
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3661. Re: [acom-list] Re: I need a simple answer please--

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 16:35:03 UTC
From: Barry N1EU
Topic: 3656 Message: 3661

GU74b tubes (4CX800 equivalent) are plentiful and cheap (just check eBay)
and easy to replace in your Acom. I'm glad that's all I need to feed my
Acom 2000A and Alpha 99.

73, Barry N1EU

On Wed, Aug 25, 2010 at 4:18 PM, Sonny <nmbsun1@...> wrote:

>
>
> Thanks for the answer Bob.
>
> One other thing that bothers me that you can perhaps clear up is that Alpha
> is no longer using the 4CX800 tubes that the Acom uses. They state that the
> supply is not there and the tubes that are on the market are from the 1970's
> to 1990's.
>
> What I want out of an amp is one that will last me a very long time and if
> I need a new tube I will be able to get one. Also why is it that Acom says
> to not try and change out the tube yourself but to send the unit in for the
> Repair Center to do?
>
> Thanks, AB4VV......
>
> --- In acom-list@yahoogroups.com <acom-list%40yahoogroups.com>, W5OV@...
> wrote:
> >
> > The Acom 1000 has multiple taps on the power supply and can operate
> > anywhere from +/- 10% of each tap setting. (Total operating range of 170
> > to 264v).
> >
> > It will work fine with your line voltage set to the 240v tap.
> >
> > Where did the report of it not liking higher than 240v come from? Not
> from
> > Acom.
> >
> > 73,
> >
> > Bob W5OV
> > Array Solutions
> > Acom US Distributor / Warranty Repair
> >
> > > I am thinking serious about an ACOM 1000. From what I have learned on
> this
> > > group the Acom does not like any line voltage about 240. My line

> voltage,
> > > which according to my power company is within their specs, is running
> > > between 244 to 250 volts depending on the time of day.
> > >
> > > Am I right to assume that the Acom will not like this and without
> changing
> > > the transformer I have no other options?
> > >
> > > Thanks, AB4VV.....
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[Non-text portions of this message have been removed]

3662. Re: [acom-list] Re: I need a simple answer please--

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 17:07:35 UTC
From: W5OV@w5ov.com
Topic: 3656 Message: 3662

Acom recommends that users don't change the tubes to avoid problems and perhaps to avoid lawsuits. I guess they have recognized that users are generally unfamiliar with tubes and how to work with them. Not everyone who is a ham today is also technically competent they way you could presume years ago.

There is no reason to not change a tube yourself - with the exception that the tubes rarely fail, so planning on replacing a tube in advance is a waste of time and energy. For example, I purchased my personal 2000A back in 1997 and it is still running strong on the original set of tubes. I bought a spare set back then, and they are still sitting in the boxes they came in. I never installed them. There are some exceptions to this, but the vast majority of these tubes do not fail routinely or often.

I have no idea what Alpha is talking about regarding tube availability with the exception that 4CX800's have never been made in the U.S. We get them directly from Svetlana and they are indeed brand new and they cost about $500 each for brand new tubes. We also have access to matched pairs of NOS (New, Old Stock) GU74B tubes for $550 a pair, $300 each. I don't think Svetlana was in business until the 90's, so the reports of tubes being made in the 70's and 80's is a bit of an exaggeration.

So, if you want tubes, we have them.

73,

Bob W5OV

> Thanks for the answer Bob.
>
> One other thing that bothers me that you can perhaps clear up is that
> Alpha is no longer using the 4CX800 tubes that the Acom uses. They state
> that the supply is not there and the tubes that are on the market are from
> the 1970's to 1990's.
>
> What I want out of an amp is one that will last me a very long time and if
> I need a new tube I will be able to get one. Also why is it that Acom says
> to not try and change out the tube yourself but to send the unit in for
> the Repair Center to do?
>
> Thanks, AB4VV......
>
>
>
> --- In acom-list@yahoogroups.com, W5OV@... wrote:
>>

>> The Acom 1000 has multiple taps on the power supply and can operate
>> anywhere from +/- 10% of each tap setting. (Total operating range of 170
>> to 264v).
>>
>> It will work fine with your line voltage set to the 240v tap.
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>> Where did the report of it not liking higher than 240v come from? Not
>> from
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>> 73,
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>> Bob W5OV
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>> Acom US Distributor / Warranty Repair
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>> > I am thinking serious about an ACOM 1000. From what I have learned on
>> this
>> > group the Acom does not like any line voltage about 240. My line
>> voltage,
>> > which according to my power company is within their specs, is running
>> > between 244 to 250 volts depending on the time of day.
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>> > Am I right to assume that the Acom will not like this and without
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>> > Thanks, AB4VV.....
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3663. Re: I need a simple answer please--

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 18:38:43 UTC
From: Andrey
Topic: 3656 Message: 3663

I don't
> think Svetlana was in business until the 90's, so the reports of tubes
> being made in the 70's and 80's is a bit of an exaggeration.

Svetlana was founded in 1889 and it has been making vacuum tubes since 1928. The original tube - GU-74B was manufactured for military applications in the 70's and 80s. The early ACOM amps were equipped with the mil version GU-74b tubes with datecode in the 80's. Svetlana assigned the "4CX800A" name to mimic the EIMAC naming convention (read: to make the tube more atractive to western users) and they released a "consumer" version which is labeled (on the fins) as 4CX800A and it looks a little nicer (shiny, polished anode fins) than the dull gray look of the mil GU-74b version. Exactly the same specs.
There was a period, a few years ago when there was a shortage of supply (the manufacturing was suspended) and this caused a sharp increase in prices - before then the tubes were sold for $70-$80. Currently you can get tubes from ebay for less than $200 with datecodes in the 90s. I've seen on eBay tubes with datecode 2007. So getting a fresh spare is not a big deal!
The tube is very rugged and it will go for years and years (my amp was manufactured in 2002 and still has the original tube at full output.

73
de Andrey, AE1S

3664. Re: I need a simple answer please--

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 18:46:00 UTC
From: kamarty456
Topic: 3656 Message: 3664

Just to reassure the new owners of the ACOM 2000A
I have my 2000A almost 10 years! I run it every day.

I have had a few challenges with the amplifier over the years:

1. Low voltage regulator board failed under warranty
2. Bias circuit failed under warranty
3. Low air flow alarm but it was adjusted locally with good results.
The sensor pot/level needed to be adjusted slightly.

My 240vac line voltage runs a bit hot! 242-247VAC
This is well within the power companies +/- 5% rating,
or 228VAC-252VAC....The ACOM 2000A tolerates it without any problems.

When you go through the 2000A's measurements you may find it is not very accurate! I had to adjust the 2000A's line voltage indication as it read almost 7VAC high! I was concerned at first, but once adjusted to "follow" my actual line voltage I have relaxed. I also have a digital outboard in line voltmeter to monitor my 240VAC line...just to be sure!

I DO HAVE an ICE 240VAC 25amp dedicated surge protector in the
AC power line to the amplifier. This is a very good item to have!

I ensure my air filters are cleaned every 3 months and I do not abuse the amplifier. Proper air flow is critical!

I run an ICOM IC7700, Palstar AT-1, and a Sommer XP707 antenna.

I did have arc fault error codes in the beginning and found my alpha Delta antenna switch, a 90 degree SO239/PL259 adapter, and a bad coax jumper were at fault [at different times]. Upon replacing the problems items I have never experienced the arc fault error again.

Yes the cost of tubes have gone up. When I first purchased the amplifier, I was also concerned about tube failures etc. I ordered a set for Tom's Tubes around 2001. Back then the tubes were around $100.00 each.

Today there are many other European amplifiers using the same 4CX800A tubes and an artificial shortage occurred causing a tube availability panic. With the Euro and dollar fluctuations and inflation [possibly greed too] the cost of the tube has increased precipitously.

Now, look at the big picture.... the approximate cost for the 8877 tube today is around $1000.00 yikes!

The 4CX800A is a very dependable tube as the Russians used them in their tanks! They offer a very long and reliable life. Yes they are really ugly..but how often do we look at them?

If you do not abuse the amplifier you should likely see 5000+ hours of use and then you may find the output deteriorate as it gets close to its end of life. Tubes are available! so

don't panic!

Tube replacement is not that difficult; but if you are not comfortable with being inside a box with high voltage or know what to do safely..I strongly suggest you leave it to the professionals.

You do not simply pull one tube and slap in a different tube. There is a procedure that has to be accomplished and some adjustments made to the tube's electronics. This information is described with the tube replacement procedure.

The 2000A is an elegant amplifier that is tolerant of many external challenges. The design is such that it will protect itself way before it produces smoke! I find the measure sub menu very effective in monitoring the various parameters.

The only design parameter I would have liked to be included is a peak reading watt meter mode.
The other design change I'd suggest is to provide a way to replace fuses externally with rear mounted fuse holders. Presently you have to pull the power transformer etc. to replace any blown fuses. For the record I have never experienced a fuse failure so this may simply be a moot point.

A very satisfied 2000A user

Martin KA7GKN

3665. Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-25 18:55:30 UTC
From: k2qbv@hotmail.com
Topic: 3665 Message: 3665

I don't think I agree with the last few comments on getting a GU74B tube off E Bay. While the GU74Bs are available, they very much indeed seem to have problems meeting specs and these tubes have "been around the block". A number of European people have purchased these tubes from Russia and Germany and have tried to resell WITHOUT any form of testing them. From my experience and working with a few companies in Europe, obtaining one good GU74B out of six is a pretty good average. Perhaps it would be wise to inquire on the reflector experience people have had going the E Bay method. Hopefully people won't mind telling us if they got a little taken. Joel, K2QBV

[Non-text portions of this message have been removed]

3666. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 02:33:12 UTC
From: kg4lru@aol.com
Topic: 3665 Message: 3666

If you think spending 4000 dollars more for an amp that has the same power output and tubes cost 800 each have at it. The real truth is both are well built ,But they all Break and sometimes need tubes . AS many Acom that have needed warranty work I have several friends that have had the same type issues with there Alpha I have several GU 74B that I bought of ebay I paid 100.00 Tube my amp has 8000 hour and I have gone through one tube . Sorry as much as i like alpha amps they have not be that strong over the last couple years .By the way I own an Acom 1000 also . How many alpha needed new transformers ?
Acom has the quiets relays even with the aux fan its still quieter than the Big Boy amps , Its the only amp with control amp detached legal limit class . It also lends it self well to remote mounting. and is still lower cost . You have 2 years on tubes 4 years on the amp. GU 74 B it a no issue on this reflector .

Phil ai4dq

In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time, k2qbv@... writes:

I don't think I agree with the last few comments on getting a GU74B tube off E Bay. While the GU74Bs are available, they very much indeed seem to have problems meeting specs and these tubes have "been around the block". A number of European people have purchased these tubes from Russia and Germany and have tried to resell WITHOUT any form of testing them. From my experience and working with a few companies in Europe, obtaining one good GU74B out of six is a pretty good average. Perhaps it would be wise to inquire on the reflector experience people have had going the E Bay method. Hopefully people won't mind telling us if they got a little taken. Joel, K2QBV

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3667. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 05:40:19 UTC
From: John Sheeley
Topic: 3665 Message: 3667

Joel
You can get new 4CX800a Gu74b from
 http://www.rfconcepts.com/Transmitting-Tubes;jsessionid=1MTnM8ScXd8jfG2WyZPl3T0yZGShJ7dmh5bQBjybbmJTJPp45gVrDG0CLQZnybC3NcfWRJ7v0rvXv2nL5Pvhv2YxL2lSx3GmqQ26sy6djD7LfsVY2S7QXLhBh4NThXLn!1167448312

$350 for one tube or $675 for a matched pair

73
John wb4qda
 PS
By the way I bought a pair of new old stock GU74b offE bay for aback up .They cecked out fine fo my Acom 2000a

_____
From: "k2qbv@..." <k2qbv@...>
To: acom-list@yahoogroups.com
Sent: Wed, August 25, 2010 1:55:30 PM
Subject: [acom-list] Re: I need a simple answer....GU74B tubes

I don't think I agree with the last few comments on getting a GU74B tube off E Bay. While the GU74Bs are available, they very much indeed seem to have problems meeting specs and these tubes have "been around the block". A number of European people have purchased these tubes from Russia and Germany and have tried to resell WITHOUT any form of testing them. From my experience and working with a few companies in Europe, obtaining one good GU74B out of six is a pretty good average. Perhaps it would be wise to inquire on the reflector experience people have had going the E Bay method. Hopefully people won't mind telling us if they got a little taken. Joel, K2QBV

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3668. Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 13:41:31 UTC
From: Sonny
Topic: 3665 Message: 3668

Hello Phil,

The warranty for an Acom amp is as stated below which is from the Acom web site. Its one year on the tubes and 2 years on the amp. Not 4 years as you stated.

Warranty
Solid product backed by a solid warranty.

Standard Two-Year Return-to-Factory (RTF) Warranty

ACOM stands behind all its products with a two-year warranty. If your ACOM product fails at any time during the coverage period, ACOM will repair or replace the unit. Your only responsibility is prepaid shipping back to our service center. Warranty coverage for tubes is one year.

The ACOM distributors may extend the warranty period.

--- In acom-list@yahoogroups.com, kg4lru@... wrote:
>
> If you think spending 4000 dollars more for an amp that has the same power
> output and tubes cost 800 each have at it. The real truth is both are well
> built ,But they all Break and sometimes need tubes . AS many Acom that have
> needed warranty work I have several friends that have had the same type
> issues with there Alpha I have several GU 74B that I bought of ebay I paid
> 100.00 Tube my amp has 8000 hour and I have gone through one tube . Sorry
> as much as i like alpha amps they have not be that strong over the last
> couple years .By the way I own an Acom 1000 also . How many alpha needed new
> transformers ?
> Acom has the quiets relays even with the aux fan its still quieter than
> the Big Boy amps , Its the only amp with control amp detached legal limit
> class . It also lends it self well to remote mounting. and is still lower
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> issue on this reflector .
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> Phil ai4dq
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> In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
> k2qbv@... writes:
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> experience and working with a few companies in Europe, obtaining one good GU74B out
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> [Non-text portions of this message have been removed]
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3669. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 14:23:20 UTC
From: John Sheeley
Topic: 3665 Message: 3669

Here is the Warranty Copied from the Acom web page .
And Phil AI4DQ is correcr! It is 4 yearson a Acom 2000a

73
John wb4qda

Warranty

  Solid product backed by a solid warranty.
Standard Four-or Two-Year Return-to-Factory (RTF) Warranty
ACOM stands behind the ACOM 2000A with a four-year warranty. All other products have two year warranty. If your ACOM 2000A or ACOM 1000 fails at any time during the coverage period, ACOM will repair or replace the unit. Your only responsibility is prepaid shipping back to our service center. Warranty coverage for tubes is one year.
Rapid Swap-Out (RSO) Service
If you need instant turnaround on an amplifier, ACOM offers a Rapid Swap-Out service option. You'll have a replacement amp on-line as fast as we can get it to you. Call ACOM for details.

From: Sonny <nmbsun1@...>
To: acom-list@yahoogroups.com
Sent: Tue, August 31, 2010 8:41:31 AM
Subject: [acom-list] Re: I need a simple answer....GU74B tubes

Hello Phil,

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The ACOM distributors may extend the warranty period.

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> class . It also lends it self well to remote mounting. and is still lower
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> k2qbv@... writes:
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> of six is a pretty good average. Perhaps it would be wise to inquire on the
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3670. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 11:20:09 UTC
From: Barry N1EU
Topic: 3665 Message: 3670

Not exactly eBay, but I searched the Web and found a tube seller in Russia. I had zero information on his reputation but he seemed responsive and said the right things via email. Over several transactions, I bought six NOS GU74b tubes. Every one tested fine. I also tested them in pairs in my 2000A. I could combine ANY two tubes (out of the six) at random and still meet Acom's spec for tube pairing.

So, based on my experience, I can't help but raise my eyebrows at those who think it so difficult and expensive to re-tube their Acoms.

One out of six a pretty good average? I find that VERY hard to believe.

73, Barry N1EU

On Wed, Aug 25, 2010 at 6:55 PM, <k2qbv@...> wrote:

>
>
> I don't think I agree with the last few comments on getting a GU74B tube
> off E Bay. While the GU74Bs are available, they very much indeed seem to
> have problems meeting specs and these tubes have "been around the block". A
> number of European people have purchased these tubes from Russia and Germany
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> experience and working with a few companies in Europe, obtaining one good
> GU74B out of six is a pretty good average. Perhaps it would be wise to
> inquire on the reflector experience people have had going the E Bay method.
> Hopefully people won't mind telling us if they got a little taken. Joel,
> K2QBV
>
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3671. FW: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 15:48:17 UTC
From: Joel Kornreich
Topic: 3671 Message: 3671

Date: Tue, 31 Aug 2010 11:44:03 -0400
Subject: Fwd: [acom-list] Re: I need a simple answer....GU74B tubes
From: k2qbv2@...
To: k2qbv@hotmail.com

---------- Forwarded message ----------
From: Joel Kornreich <k2qbv2@...>
Date: Tue, Aug 31, 2010 at 11:37 AM
Subject: Re: [acom-list] Re: I need a simple answer....GU74B tubes
To: acom-list@yahoogroups.com

Understand for I have a Acom A2000 also. However, the GU74B tubes are not covered in the four years of warranty. Actually, my point was to indicate that some tubes purchased off E bay are not very good. Joel, K2QBV

On Tue, Aug 31, 2010 at 10:23 AM, John Sheeley <wb4qda@...> wrote:

Here is the Warranty Copied from the Acom web page .
And Phil AI4DQ is correcr! It is 4 yearson a Acom 2000a

73
John wb4qda

Warranty

Solid product backed by a solid warranty.
Standard Four-or Two-Year Return-to-Factory (RTF) Warranty
ACOM stands behind the ACOM 2000A with a four-year warranty. All other products have two year warranty. If your ACOM 2000A or ACOM 1000 fails at any time during

the coverage period, ACOM will repair or replace the unit. Your only responsibility is prepaid shipping back to our service center. Warranty coverage for tubes is one year.
Rapid Swap-Out (RSO) Service
If you need instant turnaround on an amplifier, ACOM offers a Rapid Swap-Out service option. You'll have a replacement amp on-line as fast as we can get it to you. Call ACOM for details.

From: Sonny <nmbsun1@...>
To: acom-list@yahoogroups.com
Sent: Tue, August 31, 2010 8:41:31 AM
Subject: [acom-list] Re: I need a simple answer....GU74B tubes

Hello Phil,

The warranty for an Acom amp is as stated below which is from the Acom web site. Its one year on the tubes and 2 years on the amp. Not 4 years as you stated.

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ACOM stands behind all its products with a two-year warranty. If your ACOM product fails at any time during the coverage period, ACOM will repair or replace the unit. Your only responsibility is prepaid shipping back to our service center. Warranty coverage for tubes is one year.

The ACOM distributors may extend the warranty period.

--- In acom-list@yahoogroups.com, kg4lru@... wrote:
>
> If you think spending 4000 dollars more for an amp that has the same power
> output and tubes cost 800 each have at it. The real truth is both are well
> built ,But they all Break and sometimes need tubes . AS many Acom that have
> needed warranty work I have several friends that have had the same type
> issues with there Alpha I have several GU 74B that I bought of ebay I paid
> 100.00 Tube my amp has 8000 hour and I have gone through one tube . Sorry
> as much as i like alpha amps they have not be that strong over the last
> couple years .By the way I own an Acom 1000 also . How many alpha needed new
> transformers ?
> Acom has the quiets relays even with the aux fan its still quieter than
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> class . It also lends it self well to remote mounting. and is still lower
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3672. Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 16:40:43 UTC
From: Hal Kennedy
Topic: 3672 Message: 3672

I'm with Barry, I have had not trouble obtaining GU-74bs (which I prefer to 4CX800s). Vine Electronics and Kees provide them from time to time - when you see them pop up, grab a spare set and then rest easy. The ones on eBay from the Ukraine are all pulls and have poor track records, they come out of gear the Soviet Union left behind and were never made anywhere near there. Avoid tubes from the Ukraine. The eBay tubes from Russia are usually fine. I have bough three pair over the years which should last me a lifetime plus (I have two amps). They all match reasonably well - I have had one tube go intermittent in six years - it was one that came "new" from ACOM with the amp, it was a Gu74b. They replaced it for me with a 4CX800A. It matched the other GU74b in the amp and they both have 5000-6000 hours on them and act like new.
Hal,
N4GG

3673. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 16:45:37 UTC
From: W5OV@w5ov.com
Topic: 3665 Message: 3673

What web page did you copy the 4-year warranty from?

The official Acom manufacturer's warranty is as follows:

From: http://www.acom-bg.com

Warranty
Solid product backed by a solid warranty.

Standard Two-Year Return-to-Factory (RTF) Warranty

ACOM stands behind all its products with a two-year warranty. If your ACOM product fails at any time during the coverage period, ACOM will repair or replace the unit. Your only responsibility is prepaid shipping back to our service center. Warranty coverage for tubes is one year.

The ACOM distributors may extend the warranty period.

> Here is the Warranty Copied from the Acom web page .
> And Phil AI4DQ is correcr! It is 4 yearson a Acom 2000a
>
> 73
> John wb4qda
>
> Warranty
>
>   Solid product backed by a solid warranty.
> Standard Four-or Two-Year Return-to-Factory (RTF) Warranty
> ACOM stands behind the ACOM 2000A with a four-year warranty. All other
> products
> have two year warranty. If your ACOM 2000A or ACOM 1000 fails at any time
> during
> the coverage period, ACOM will repair or replace the unit. Your only
> responsibility is prepaid shipping back to our service center. Warranty
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> for tubes is one year.
> Rapid Swap-Out (RSO) Service
> If you need instant turnaround on an amplifier, ACOM offers a Rapid
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> service option. You'll have a replacement amp on-line as fast as we can
> get it
> to you. Call ACOM for details.
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> _____
> From: Sonny <nmbsun1@...>
> To: acom-list@yahoogroups.com
> Sent: Tue, August 31, 2010 8:41:31 AM
> Subject: [acom-list] Re: I need a simple answer....GU74B tubes
>
>
> Hello Phil,
>
> The warranty for an Acom amp is as stated below which is from the Acom web
> site.
> Its one year on the tubes and 2 years on the amp. Not 4 years as you
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> Warranty
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> --- In acom-list@yahoogroups.com, kg4lru@... wrote:
>>
>> If you think spending 4000 dollars more for an amp that has the same
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3674. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 17:07:40 UTC
From: John Sheeley
Topic: 3665 Message: 3674

It is the US Acom website http://www.hfpower.com/

From: "W5OV@..." <W5OV@...>
To: acom-list@yahoogroups.com
Sent: Tue, August 31, 2010 11:45:37 AM
Subject: Re: [acom-list] Re: I need a simple answer....GU74B tubes

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> From: Sonny <nmbsun1@...>
> To: acom-list@yahoogroups.com
> Sent: Tue, August 31, 2010 8:41:31 AM
> Subject: [acom-list] Re: I need a simple answer....GU74B tubes
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3675. Re: [acom-list] Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 17:18:48 UTC
From: W5OV@w5ov.com
Topic: 3672 Message: 3675

For some reason, it does not seem to be getting clearly communicated, but Array Solutions is now an offical Acom dealer here in the U.S.

As such, we honor the Acom official warranty as I quoted in my earlier email. We provide official warranty service for Acom in Bulgaria. We have a good stock of parts and as most of us know, these amps are very rugged and rarely fail, so we have not been too busy with repairs.

We also have tubes in stock. That's right - tubes in stock. We have both brand-new 4CX800's for $500 each and N.O.S. GU74B matched pairs for $550. Single N.O.S. GU74B tubes are available for $300 each. We will continue to have stock of these tubes so there is no reason to rush out and buy one now unless you have one of the rare tubes that fails. If you don't already have a failure, it is more likely that you will not ever have a failure.

We normally have all models of Acom amplifiers in stock. Sales have recently been brisk despite the economy and we currently are out of the 2000A and 1000 models but we do expect a shipment from Bulgaria soon. We have both the 1010 and the new 1011 in stock.

73,

Bob W5OV
Array Solutions
http://www.arraysolutions.com

> I'm with Barry, I have had not trouble obtaining GU-74bs (which I prefer
> to 4CX800s). Vine Electronics and Kees provide them from time to time -
> when you see them pop up, grab a spare set and then rest easy. The ones
> on eBay from the Ukraine are all pulls and have poor track records, they
> come out of gear the Soviet Union left behind and were never made
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> Yahoo! Groups Links
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3676. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 17:21:58 UTC
From: W5OV@w5ov.com
Topic: 3665 Message: 3676

That is Acom International's dealer warranty - that is not from the
manufacturer.

Note that although they have Acom in their name, they also are just a
dealer, and are not the manufacturer in Bulgaria.

(I am having trouble finding things on their web page. Not sure why.)

> It is the US Acom website http://www.hfpower.com/
>
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> _____
> From: "W5OV@..." <W5OV@...>
> To: acom-list@yahoogroups.com
> Sent: Tue, August 31, 2010 11:45:37 AM
> Subject: Re: [acom-list] Re: I need a simple answer....GU74B tubes
>
>
> What web page did you copy the 4-year warranty from?
>
> The official Acom manufacturer's warranty is as follows:
>
> From: http://www.acom-bg.com
>
> Warranty
> Solid product backed by a solid warranty.
>
> Standard Two-Year Return-to-Factory (RTF) Warranty
>
> ACOM stands behind all its products with a two-year warranty. If your ACOM
> product fails at any time during the coverage period, ACOM will repair or
> replace the unit. Your only responsibility is prepaid shipping back to our
> service center. Warranty coverage for tubes is one year.
>
> The ACOM distributors may extend the warranty period.
>
>> Here is the Warranty Copied from the Acom web page .
>> And PhilÂ AI4DQ is correcr! It is 4 yearson a Acom 2000a
>>
>> 73
>> John wb4qda
>>
>> Warranty
>> Â Â

>> Â Solid product backed by a solid warranty.
>> Standard Four-or Two-Year Return-to-Factory (RTF) Warranty
>> ACOM stands behind the ACOM 2000A with a four-year warranty. All other
>> products
>> have two year warranty. If your ACOM 2000A or ACOM 1000 fails at any
>> time
>> during
>> the coverage period, ACOM will repair or replace the unit. Your only
>> responsibility is prepaid shipping back to our service center. Warranty
>> coverage
>> for tubes is one year.
>> Rapid Swap-Out (RSO) Service
>> If you need instant turnaround on an amplifier, ACOM offers a Rapid
>> Swap-Out
>> service option. You'll have a replacement amp on-line as fast as we can
>> get it
>> to you. Call ACOM for details.
>>
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>> _____
>> From: Sonny <nmbsun1@...>
>> To: acom-list@yahoogroups.com
>> Sent: Tue, August 31, 2010 8:41:31 AM
>> Subject: [acom-list] Re: I need a simple answer....GU74B tubes
>>
>> Â
>> Hello Phil,
>>
>> The warranty for an Acom amp is as stated below which is from the Acom
>> web
>> site.
>> Its one year on the tubes and 2 years on the amp. Not 4 years as you
>> stated.
>>
>> Warranty
>> Solid product backed by a solid warranty.
>>
>> Standard Two-Year Return-to-Factory (RTF) Warranty
>>
>> ACOM stands behind all its products with a two-year warranty. If your
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>> product fails at any time during the coverage period, ACOM will repair
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>> replace the unit. Your only responsibility is prepaid shipping back to
>> our
>> service center. Warranty coverage for tubes is one year.
>>

>> The ACOM distributors may extend the warranty period.
>>
>> --- In acom-list@yahoogroups.com, kg4lru@... wrote:
>>>
>>> If you think spending 4000 dollars more for an amp that has the same
>>> power
>>> output and tubes cost 800 each have at it. The real truth is both are
>>> well
>>> built ,But they all Break and sometimes need tubes . AS many Acom that
>>> have
>>> needed warranty work I have several friends that have had the same type
>>> issues with there Alpha I have several GU 74B that I bought of ebay I
>>> paid
>>> 100.00 Tube my amp has 8000 hour and I have gone through one tube .
>>> Sorry
>>> as much as i like alpha amps they have not be that strong over the last
>>> couple years .By the way I own an Acom 1000 also . How many alpha
>>> needed
>>> new
>>> transformers ?
>>> Acom has the quiets relays even with the aux fan its still quieter than
>>> the Big Boy amps , Its the only amp with control amp detached legal
>>> limit
>>> class . It also lends it self well to remote mounting. and is still
>>> lower
>>> cost . You have 2 years on tubes 4 years on the amp. GU 74 B it a no
>>> issue on this reflector .
>>>
>>> Phil ai4dq
>>>
>>>
>>>
>>>
>>>
>>> In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
>>> k2qbv@... writes:
>>>
>>>
>>>
>>>
>>> I don't think I agree with the last few comments on getting a GU74B
>>> tube
>>> off E Bay. While the GU74Bs are available, they very much indeed seem
>>> to
>>> have
>>> problems meeting specs and these tubes have "been around the block". A
>>> number of European people have purchased these tubes from Russia and
>>> Germany
>>> and have tried to resell WITHOUT any form of testing them. From my
>>> experience and working with a few companies in Europe, obtaining one

>>> good GU74B
>>>out
>>>
>>> of six is a pretty good average. Perhaps it would be wise to inquire on
>>> the
>>> reflector experience people have had going the E Bay method. Hopefully
>>> people won't mind telling us if they got a little taken. Joel, K2QBV
>>>
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3677. Re: I need a simple answer please--

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 18:18:54 UTC
From: w9ac
Topic: 3656 Message: 3677

> Acom recommends that users don't change the tubes to avoid problems
and
> perhaps to avoid lawsuits. I guess they have recognized that users are
> generally unfamiliar with tubes and how to work with them. Not
everyone
> who is a ham today is also technically competent they way you could
> presume years ago.

Another factor in ACOM's recommendation may be related to IMD performance as a function of tube matching. It would be interesting to see an IMD sensitivity analysis of the ACOM 2000A as a function of changing tube characteristics.

Ten years ago, I owned an ACOM 2000A for about one year before selling it. My one and only concern with the 2000A is in its medicocre IMD performance. The 2000A should be capable of better IMD performance based on a similar architecture in the ETO/Alpha Power 91b, 99 and 8100 amps.

Today, not only can we hear the difference in IMD, we can clearly see the effect with some of the better pan adapters from Flex, LP-PAN, and SDR-IQ. I typically concentrate on the area around the carrier set point to differentiate between IMD and the transmitted passband. The differences seen in IMD purity can be significant. I have seen anywhere from roughly -20 dB to better than 50 dB using an SDR-IQ. My results are not meant to achive accuracy in numbers -- only to see the radical variation among transmitted spectrum.

No doubt QST's Product Reviews are of only one sample and their testing methodology may have changed through the years of product testing. But that brings me back to the IMD sensitivity analysis. Is it possible that the dual tetrode amps have varying IMD performance based on individual tube characteristcs, or is the IMD performance more closely related to the amp's ability to regulate the screen grid? How about dual triode amps? By matching tube gain, does IMD performance also improve? I would really like to see some tests in this area. To the best of myknowledge, it's not been published in the common ham literature before. If it has, please pass along any citations. Many Tnx!

Paul, W9AC

[Non-text portions of this message have been removed]

3678. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 19:37:01 UTC
From: John Sheeley
Topic: 3665 Message: 3678

It looks like we now have 2 US Acom dealers .

United States
ACOM International, Inc.
4 Marc Rd.
Medway, Massachusetts 02053
USA
tel (508) 533-7765begin_of_the_skype_highlighting (508)
533-7765 end_of_the_skype_highlighting
fax (508) 533-7707
Toll free for USA: 1 866 533 ACOMbegin_of_the_skype_highlighting 1
866 533 ACOM end_of_the_skype_highlighting or 2266
email: k6nd@... This e-mail address is being protected from spambots.
You need JavaScript enabled to view it This e-mail address is being protected
from spambots. You need JavaScript enabled to view it

web: http://www.hfpower.com
ARRAY SOLUTIONS
2611 N. BELTLINE RD.
SUNNYVALE, TX 75182
USA
tel 214 954 7140begin_of_the_skype_highlighting 214 954
7140 end_of_the_skype_highlighting
email: Sales@... This e-mail address is being protected from
spambots. You need JavaScript enabled to view it

web: http://www.arraysolutions.com
United States
ACOM International, Inc.
4 Marc Rd.
Medway, Massachusetts 02053
USA
tel (508) 533-7765begin_of_the_skype_highlighting (508)
533-7765 end_of_the_skype_highlighting
fax (508) 533-7707
Toll free for USA: 1 866 533 ACOMbegin_of_the_skype_highlighting 1
866 533 ACOM end_of_the_skype_highlighting or 2266
email: k6nd@... This e-mail address is being protected from spambots.
You need JavaScript enabled to view it This e-mail address is being protected
from spambots. You need JavaScript enabled to view it

web: http://www.hfpower.com
ARRAY SOLUTIONS
2611 N. BELTLINE RD.
SUNNYVALE, TX 75182
USA

tel 214 954 7140begin_of_the_skype_highlighting 214 954
7140 end_of_the_skype_highlighting
email: Sales@... This e-mail address is being protected from
spambots. You need JavaScript enabled to view it

web: http://www.arraysolutions.com
United States
ACOM International, Inc.
4 Marc Rd.
Medway, Massachusetts 02053
USA
tel (508) 533-7765begin_of_the_skype_highlighting (508)
533-7765 end_of_the_skype_highlighting
fax (508) 533-7707
Toll free for USA: 1 866 533 ACOMbegin_of_the_skype_highlighting 1
866 533 ACOM end_of_the_skype_highlighting or 2266
email: k6nd@... This e-mail address is being protected from spambots.
You need JavaScript enabled to view it This e-mail address is being protected
from spambots. You need JavaScript enabled to view it

web: http://www.hfpower.com
ARRAY SOLUTIONS
2611 N. BELTLINE RD.
SUNNYVALE, TX 75182
USA
tel 214 954 7140begin_of_the_skype_highlighting 214 954
7140 end_of_the_skype_highlighting
email: Sales@... This e-mail address is being protected from
spambots. You need JavaScript enabled to view it

web: http://www.arraysolutions.com

John

From: "W5OV@..." <W5OV@...>
To: acom-list@yahoogroups.com
Sent: Tue, August 31, 2010 12:21:58 PM
Subject: Re: [acom-list] Re: I need a simple answer....GU74B tubes

That is Acom International's dealer warranty - that is not from the
manufacturer.

Note that although they have Acom in their name, they also are just a
dealer, and are not the manufacturer in Bulgaria.

(I am having trouble finding things on their web page. Not sure why.)

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> To: acom-list@...m
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>> And PhilÃ‚Â AI4DQ is correcr! It is 4 yearson a Acom 2000a
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>> 73
>> John wb4qda
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>>
>> --- In acom-list@yahoogroups.com, kg4lru@... wrote:
>>>
>>> If you think spending 4000 dollars more for an amp that has the same
>>> power
>>> output and tubes cost 800 each have at it. The real truth is both are
>>> well
>>> built ,But they all Break and sometimes need tubes . AS many Acom that
>>> have
>>> needed warranty work I have several friends that have had the same type
>>> issues with there Alpha I have several GU 74B that I bought of ebay I
>>> paid
>>> 100.00 Tube my amp has 8000 hour and I have gone through one tube .
>>> Sorry
>>> as much as i like alpha amps they have not be that strong over the last

>>> couple years .By the way I own an Acom 1000 also . How many alpha
>>> needed
>>> new
>>> transformers ?
>>> Acom has the quiets relays even with the aux fan its still quieter than
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>>> Phil ai4dq
>>>
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>>> In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
>>> k2qbv@... writes:
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>>> I don't think I agree with the last few comments on getting a GU74B
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>>> number of European people have purchased these tubes from Russia and
>>> Germany
>>> and have tried to resell WITHOUT any form of testing them. From my
>>> experience and working with a few companies in Europe, obtaining one
>>> good GU74B
>>>out
>>>
>>> of six is a pretty good average. Perhaps it would be wise to inquire on
>>> the
>>> reflector experience people have had going the E Bay method. Hopefully
>>> people won't mind telling us if they got a little taken. Joel, K2QBV
>>>
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3679. This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 21:52:59 UTC
From: Sonny
Topic: 3679 Message: 3679

It seems that the warranty for the 2000 is 4 years if you buy the amp from Medfield, Ma. Below is from the ACOM website, http://www.hfpower.com/

About ACOM

ACOM designs, manufactures, sells and services RF
equipment and antennas for commercial, government and amateur markets.

ACOM, OOD, a privately owned company located in Sofia, Bulgaria,
has been developing products since 1988.

In 2000, the company introduced the automatic ACOM2000A, a new

generation of HF amplifier, followed by the ACOM1000 and ACOM1006,
and ACOM1010, which now have a proven track record for
performance and reliability and have become the preferred
equipment for DX expeditions, DXing and contests.

ACOM International, Inc. was formed in 1999 to market and service
ACOM products in the Americas. ACOM International provides direct sales
for the ACOM 2000A from its facilities in Medfield, MA, USA.

WARRANTY>>>

Warranty

Solid product backed by a solid warranty.

Standard Four-or Two-Year Return-to-Factory (RTF) Warranty

ACOM stands behind the ACOM 2000A with a four-year warranty. All other products have two year warranty. If your ACOM 2000A or ACOM 1000 fails at any time during the coverage period, ACOM will repair or replace the unit. Your only responsibility is prepaid shipping back to our service center. Warranty coverage for tubes is one year.

Rapid Swap-Out (RSO) Service

If you need instant turnaround on an amplifier, ACOM offers a Rapid Swap-Out service option. You'll have a replacement amp on-line as fast as we can get it to you. Call ACOM for details.

****
If this is not correct it needs to be corrected. Bob at Array Solution says 2 years on the 2000 and this web site says 4 years.... "ACOM International provides direct sales
for the ACOM 2000A from its facilities in Medfield, MA, USA."

3680. Re: [acom-list] This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 22:15:17 UTC
From: W5OV@w5ov.com
Topic: 3679 Message: 3680

Sonny,

I am not really surprised by this, and we probably would honor it as well. The likelihood that an Acom 2000A will develop any sort of a problem covered by warranty over it's lifetime is extremely unlikely. They're that good.

The manufacturer's warranty allows for individual dealers to vary the warranty terms which Acom International apparently has done.

73,

Bob W5OV
Array Solutions

> It seems that the warranty for the 2000 is 4 years if you buy the amp from
> Medfield, Ma. Below is from the ACOM website, http://www.hfpower.com/
>
> About ACOM
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> ACOM designs, manufactures, sells and services RF
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>
> generation of HF amplifier, followed by the ACOM1000 and ACOM1006,
> and ACOM1010, which now have a proven track record for
> performance and reliability and have become the preferred
> equipment for DX expeditions, DXing and contests.
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>
> WARRANTY>>>
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> Yahoo! Groups Links
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3681. Re: [acom-list] This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 22:26:07 UTC
From: W5OV@w5ov.com
Topic: 3679 Message: 3681

Oh and just to be clear, Acom International in Massachusetts is not the manufacturer of these amplifiers. They have chosen a name that could, and does, give the impression that they are related to the manufacturer, but the truth is that they are not. They're just another dealer.

All that said, Krassy and Will have done a great job representing Acom over the years and I bought my personal Acom from Krassy back in 1997 and they took good care of me too. They're busy with other things now and this is how we began to work with Acom too.

73,

Bob W5OV
Array Solutions

> It seems that the warranty for the 2000 is 4 years if you buy the amp from
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>
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> Yahoo! Groups Links
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3682. Re: This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 22:42:43 UTC
From: Sonny
Topic: 3679 Message: 3682

Bob, ACOM says " In 2000, the company introduced the automatic ACOM2000A"

How did you get one in 1997?

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> Oh and just to be clear, Acom International in Massachusetts is not the
> manufacturer of these amplifiers. They have chosen a name that could, and
> does, give the impression that they are related to the manufacturer, but
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> is how we began to work with Acom too.
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> >
> > **
> > If this is not correct it needs to be corrected. Bob at Array Solution
> > says 2 years on the 2000 and this web site says 4 years.... "ACOM
> > International provides direct sales
> > for the ACOM 2000A from its facilities in Medfield, MA, USA."
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> > Yahoo! Groups Links
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3683. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 22:57:54 UTC
From: kg4lru@aol.com
Topic: 3665 Message: 3683

I am surprised , that Acom new Dealer does not Know his products warranty
. No matter the discussion was on the Acom 2000 A which does have a 2
year warranty on tubes and 4 years on amp . Now if you own the 1000 its
only 2 years . I have 4 buddy all have Acom 2000 A and all ours have 4 years
. If your amp doesn't then you bought amp from the wrong guy.

In a message dated 8/31/2010 10:08:28 A.M. Eastern Daylight Time,
nmbsun1@... writes:

Hello Phil,

The warranty for an Acom amp is as stated below which is from the Acom web
site. Its one year on the tubes and 2 years on the amp. Not 4 years as you
stated.

Warranty
Solid product backed by a solid warranty.

Standard Two-Year Return-to-Factory (RTF) Warranty

ACOM stands behind all its products with a two-year warranty. If your ACOM
product fails at any time during the coverage period, ACOM will repair or
replace the unit. Your only responsibility is prepaid shipping back to our
service center. Warranty coverage for tubes is one year.

The ACOM distributors may extend the warranty period.

--- In _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com) ,
kg4lru@... wrote:
>
> If you think spending 4000 dollars more for an amp that has the same
power
> output and tubes cost 800 each have at it. The real truth is both are
well
> built ,But they all Break and sometimes need tubes . AS many Acom that
have
> needed warranty work I have several friends that have had the same type
> issues with there Alpha I have several GU 74B that I bought of ebay I
paid
> 100.00 Tube my amp has 8000 hour and I have gone through one tube .
Sorry
> as much as i like alpha amps they have not be that strong over the last
> couple years .By the way I own an Acom 1000 also . How many alpha needed
new
> transformers ?
> Acom has the quiets relays even with the aux fan its still quieter than
> the Big Boy amps , Its the only amp with control amp detached legal

limit
> class . It also lends it self well to remote mounting. and is still
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> cost . You have 2 years on tubes 4 years on the amp. GU 74 B it a no
> issue on this reflector .
>
> Phil ai4dq
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>
> In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
> k2qbv@... writes:
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>
> I don't think I agree with the last few comments on getting a GU74B tube
> off E Bay. While the GU74Bs are available, they very much indeed seem to
have
> problems meeting specs and these tubes have "been around the block". A
> number of European people have purchased these tubes from Russia and
Germany
> and have tried to resell WITHOUT any form of testing them. From my
> experience and working with a few companies in Europe, obtaining one
good GU74B out
> of six is a pretty good average. Perhaps it would be wise to inquire on
the
> reflector experience people have had going the E Bay method. Hopefully
> people won't mind telling us if they got a little taken. Joel, K2QBV
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

3684. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:02:16 UTC
From: Frank J. Connelly
Topic: 3665 Message: 3684

Give it a break. Jeez.

I have lotsa buddy too.

Buy your amp from Clyde the used car dealer for all I care.

Frank, W7ND

On Aug 31, 2010, at 4:57 PM, kg4lru@... wrote:

> I am surprised , that Acom new Dealer does not Know his products
> warranty
> . No matter the discussion was on the Acom 2000 A which does have a 2
> year warranty on tubes and 4 years on amp . Now if you own the 1000
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> only 2 years . I have 4 buddy all have Acom 2000 A and all ours have
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> In a message dated 8/31/2010 10:08:28 A.M. Eastern Daylight Time,
> nmbsun1@... writes:
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> stated.
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> Warranty
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> Standard Two-Year Return-to-Factory (RTF) Warranty

>
> ACOM stands behind all its products with a two-year warranty. If
> your ACOM
> product fails at any time during the coverage period, ACOM will
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> replace the unit. Your only responsibility is prepaid shipping back
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> service center. Warranty coverage for tubes is one year.
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> The ACOM distributors may extend the warranty period.
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> --- In _acom-list@yahoogroups.com_ (mailto:acom-
> list@yahoogroups.com) ,
> kg4lru@... wrote:
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> > k2qbv@... writes:
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3685. Re: [acom-list] Re: This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:05:38 UTC
From: Paul Christensen
Topic: 3679 Message: 3685

> Bob, ACOM says " In 2000, the company introduced the automatic ACOM2000A"

Mine was purchased through FinFet in early 1999 right after its final development. The FCC certified the 2000A on June 22, 1999. Production shipments to the U.S. commenced late summer or fall of 1999.

Paul, W9AC

[Non-text portions of this message have been removed]

3686. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:16:48 UTC
From: kg4lru@aol.com
Topic: 3665 Message: 3686

I know Where I can get a good Guy discount on a new Acom 2000A 6400 if i
can would you?

In a message dated 8/31/2010 7:02:37 P.M. Eastern Daylight Time,
w7nd@... writes:

Give it a break. Jeez.

I have lotsa buddy too.

Buy your amp from Clyde the used car dealer for all I care.

Frank, W7ND

On Aug 31, 2010, at 4:57 PM, kg4lru@... wrote:

> I am surprised , that Acom new Dealer does not Know his products
> warranty
> . No matter the discussion was on the Acom 2000 A which does have a 2
> year warranty on tubes and 4 years on amp . Now if you own the 1000
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> In a message dated 8/31/2010 10:08:28 A.M. Eastern Daylight Time,
> nmbsun1@... writes:
>
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> site. Its one year on the tubes and 2 years on the amp. Not 4 years
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> stated.

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> Warranty
> Solid product backed by a solid warranty.
>
> Standard Two-Year Return-to-Factory (RTF) Warranty
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> ACOM stands behind all its products with a two-year warranty. If
> your ACOM
> product fails at any time during the coverage period, ACOM will
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> replace the unit. Your only responsibility is prepaid shipping back
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> service center. Warranty coverage for tubes is one year.
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> The ACOM distributors may extend the warranty period.
>
> --- In _acom-list@yahoogroups.com_ (mailto:acom-
> list@yahoogroups.com) ,
> kg4lru@... wrote:
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> > If you think spending 4000 dollars more for an amp that has the same
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> > output and tubes cost 800 each have at it. The real truth is both
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> > built ,But they all Break and sometimes need tubes . AS many Acom
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> > needed warranty work I have several friends that have had the same
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> > issues with there Alpha I have several GU 74B that I bought of
> ebay I
> paid
> > 100.00 Tube my amp has 8000 hour and I have gone through one tube .
> Sorry
> > as much as i like alpha amps they have not be that strong over the
> last
> > couple years .By the way I own an Acom 1000 also . How many alpha
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> > Acom has the quiets relays even with the aux fan its still quieter
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> > the Big Boy amps , Its the only amp with control amp detached legal
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> > issue on this reflector .
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> > Phil ai4dq
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> > In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
> > k2qbv@... writes:
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Yahoo! Groups Links

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3687. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:19:08 UTC
From: Frank J. Connelly
Topic: 3665 Message: 3687

Does it come with mag wheels?

On Aug 31, 2010, at 5:16 PM, kg4lru@... wrote:

> I know Where I can get a good Guy discount on a new Acom 2000A 6400
> if i
> can would you?
>
>
> In a message dated 8/31/2010 7:02:37 P.M. Eastern Daylight Time,
> w7nd@... writes:
>
> Give it a break. Jeez.
>
> I have lotsa buddy too.
>
> Buy your amp from Clyde the used car dealer for all I care.
>
> Frank, W7ND
>
> On Aug 31, 2010, at 4:57 PM, kg4lru@aol.com wrote:
>
> > I am surprised , that Acom new Dealer does not Know his products
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> > . No matter the discussion was on the Acom 2000 A which does have
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> > year warranty on tubes and 4 years on amp . Now if you own the 1000
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> > In a message dated 8/31/2010 10:08:28 A.M. Eastern Daylight Time,

> > nmbsun1@... writes:
> >
> > Hello Phil,
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> > The warranty for an Acom amp is as stated below which is from the
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> > site. Its one year on the tubes and 2 years on the amp. Not 4 years
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> > Warranty
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> > Standard Two-Year Return-to-Factory (RTF) Warranty
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> > --- In _acom-list@yahoogroups.com_ (mailto:acom-
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> > kg4lru@... wrote:
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> > > Acom has the quiets relays even with the aux fan its still quieter
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> > > Phil ai4dq
> > >
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> > >
> > > In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
> > > k2qbv@... writes:
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> > > I don't think I agree with the last few comments on getting a
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> > > [Non-text portions of this message have been removed]
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3688. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:19:53 UTC
From: kg4lru@aol.com
Topic: 3665 Message: 3688

Not such a simple answer!

[Non-text portions of this message have been removed]

3689. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:20:43 UTC
From: kg4lru@aol.com
Topic: 3665 Message: 3689

For you we could

In a message dated 8/31/2010 7:19:22 P.M. Eastern Daylight Time,
w7nd@... writes:

Does it come with mag wheels?

On Aug 31, 2010, at 5:16 PM, kg4lru@... wrote:

> I know Where I can get a good Guy discount on a new Acom 2000A 6400
> if i
> can would you?
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> In a message dated 8/31/2010 7:02:37 P.M. Eastern Daylight Time,
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> > > In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

3690. Re: [acom-list] Re: I need a simple answer....GU74B tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:22:52 UTC
From: Jim Idelson
Topic: 3665 Message: 3690

Enough please.

kg4lru@... wrote:

>For you we could
>
>
>In a message dated 8/31/2010 7:19:22 P.M. Eastern Daylight Time,
>w7nd@... writes:
>
>Does it come with mag wheels?
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>On Aug 31, 2010, at 5:16 PM, kg4lru@... wrote:
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>> > ACOM stands behind all its products with a two-year warranty. If
>> > your ACOM
>> > product fails at any time during the coverage period, ACOM will
>> > repair or
>> > replace the unit. Your only responsibility is prepaid shipping back
>> > to our
>> > service center. Warranty coverage for tubes is one year.
>> >
>> > The ACOM distributors may extend the warranty period.
>> >
>> > --- In _acom-list@yahoogroups.com_ (mailto:acom-
>> > list@yahoogroups.com) ,
>> > kg4lru@... wrote:
>> > >
>> > > If you think spending 4000 dollars more for an amp that has the
>> same
>> > power
>> > > output and tubes cost 800 each have at it. The real truth is both
>> > are
>> > well
>> > > built ,But they all Break and sometimes need tubes . AS many Acom
>> > that
>> > have
>> > > needed warranty work I have several friends that have had the same

>> > type
>> > > issues with there Alpha I have several GU 74B that I bought of
>> > ebay I
>> > paid
>> > > 100.00 Tube my amp has 8000 hour and I have gone through one
>> tube .
>> > Sorry
>> > > as much as i like alpha amps they have not be that strong over the
>> > last
>> > > couple years .By the way I own an Acom 1000 also . How many alpha
>> > needed
>> > new
>> > > transformers ?
>> > > Acom has the quiets relays even with the aux fan its still quieter
>> > than
>> > > the Big Boy amps , Its the only amp with control amp detached
>> legal
>> > limit
>> > > class . It also lends it self well to remote mounting. and is
>> still
>> > lower
>> > > cost . You have 2 years on tubes 4 years on the amp. GU 74 B it
>> a no
>> > > issue on this reflector .
>> > >
>> > > Phil ai4dq
>> > >
>> > >
>> > >
>> > >
>> > >
>> > > In a message dated 8/30/2010 9:47:17 P.M. Eastern Daylight Time,
>> > > k2qbv@... writes:
>> > >
>> > >
>> > >
>> > >
>> > > I don't think I agree with the last few comments on getting a
>> > GU74B tube
>> > > off E Bay. While the GU74Bs are available, they very much indeed
>> > seem to
>> > have
>> > > problems meeting specs and these tubes have "been around the
>> > block". A
>> > > number of European people have purchased these tubes from Russia
>> and
>> > Germany
>> > > and have tried to resell WITHOUT any form of testing them. From my
>> > > experience and working with a few companies in Europe, obtaining
>> one

>> > good GU74B out
>> > > of six is a pretty good average. Perhaps it would be wise to
>> > inquire on
>> > the
>> > > reflector experience people have had going the E Bay method.
>> > Hopefully
>> > > people won't mind telling us if they got a little taken. Joel,
>> K2QBV
>> > >
>> > > [Non-text portions of this message have been removed]
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>> > >
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>> > >
>> > > [Non-text portions of this message have been removed]
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>> > [Non-text portions of this message have been removed]
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>> Yahoo! Groups Links
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>Yahoo! Groups Links
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Sent from my Android phone with K-9 Mail. Please excuse my brevity.

3691. RE: [acom-list] Re: This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-08-31 23:48:07 UTC
From: Bob Naumann
Topic: 3679 Message: 3691

I have checked my records, and I was mistaken - it was late in the fall of 1999 that I purchased mine - not 1997.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Sonny
Sent: Tuesday, August 31, 2010 5:43 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: This is not at all clear!

Bob, ACOM says " In 2000, the company introduced the automatic ACOM2000A"

How did you get one in 1997?

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> Oh and just to be clear, Acom International in Massachusetts is not
> the manufacturer of these amplifiers. They have chosen a name that
> could, and does, give the impression that they are related to the
> manufacturer, but the truth is that they are not. They're just another dealer.
>
> All that said, Krassy and Will have done a great job representing Acom
> over the years and I bought my personal Acom from Krassy back in 1997
> and they took good care of me too. They're busy with other things now
> and this is how we began to work with Acom too.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
> > It seems that the warranty for the 2000 is 4 years if you buy the
> > amp from Medfield, Ma. Below is from the ACOM website,
> > http://www.hfpower.com/
> >
> > About ACOM
> >
> > ACOM designs, manufactures, sells and services RF
> > equipment and antennas for commercial, government and amateur markets.
> >
> > ACOM, OOD, a privately owned company located in Sofia, Bulgaria,
> > has been developing products since 1988.
> >

> > In 2000, the company introduced the automatic ACOM2000A, a new
> >
> > generation of HF amplifier, followed by the ACOM1000 and ACOM1006,
> > and ACOM1010, which now have a proven track record for
> > performance and reliability and have become the preferred
> > equipment for DX expeditions, DXing and contests.
> >
> > ACOM International, Inc. was formed in 1999 to market and service
> > ACOM products in the Americas. ACOM International provides direct
sales
> > for the ACOM 2000A from its facilities in Medfield, MA, USA.
> >
> > WARRANTY>>>
> >
> > Warranty
> >
> > Solid product backed by a solid warranty.
> >
> > Standard Four-or Two-Year Return-to-Factory (RTF) Warranty
> >
> > ACOM stands behind the ACOM 2000A with a four-year warranty. All
> > other products have two year warranty. If your ACOM 2000A or ACOM
> > 1000 fails at any time during the coverage period, ACOM will repair or
replace the unit.
> > Your only responsibility is prepaid shipping back to our service center.
> > Warranty coverage for tubes is one year.
> >
> > Rapid Swap-Out (RSO) Service
> >
> > If you need instant turnaround on an amplifier, ACOM offers a Rapid
> > Swap-Out service option. You'll have a replacement amp on-line as
> > fast as we can get it to you. Call ACOM for details.
> >
> > **
> > * If this is not correct it needs to be corrected. Bob at Array
> > Solution says 2 years on the 2000 and this web site says 4 years....
> > "ACOM International provides direct sales
> > for the ACOM 2000A from its facilities in Medfield, MA, USA."
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> > Yahoo! Groups Links

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Yahoo! Groups Links

3692. RE: [acom-list] Re: This is not at all clear!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-01 00:03:50 UTC
From: Bob Naumann
Topic: 3679 Message: 3692

I'm also not sure why Acom says they introduced the 2000A in year 2000 as there are reviews of the 2000A posted on the Acom website from 1999 along with ON4UN's great review here:

http://www.acom-bg.com/index.php?option=com_content&view=category&layout=blog&id=37&Itemid=67

I recall reading ON4UN's review and knowing that I would purchase one as a direct result of his recommendation.

There are also reviews of the Acom 2000A on eHam.net going back to 1999.

So, I think they and I have trouble remembering exact dates.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Tuesday, August 31, 2010 6:48 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: This is not at all clear!

I have checked my records, and I was mistaken - it was late in the fall of 1999 that I purchased mine - not 1997.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Sonny
Sent: Tuesday, August 31, 2010 5:43 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: This is not at all clear!

Bob, ACOM says " In 2000, the company introduced the automatic ACOM2000A"

How did you get one in 1997?

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> Oh and just to be clear, Acom International in Massachusetts is not
> the manufacturer of these amplifiers. They have chosen a name that
> could, and does, give the impression that they are related to the
> manufacturer, but the truth is that they are not. They're just another dealer.
>
> All that said, Krassy and Will have done a great job representing Acom
> over the years and I bought my personal Acom from Krassy back in 1997
> and they took good care of me too. They're busy with other things now
> and this is how we began to work with Acom too.

>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
> > It seems that the warranty for the 2000 is 4 years if you buy the
> > amp from Medfield, Ma. Below is from the ACOM website,
> > http://www.hfpower.com/
> >
> > About ACOM
> >
> > ACOM designs, manufactures, sells and services RF
> > equipment and antennas for commercial, government and amateur markets.
> >
> > ACOM, OOD, a privately owned company located in Sofia, Bulgaria,
> > has been developing products since 1988.
> >
> > In 2000, the company introduced the automatic ACOM2000A, a new
> >
> > generation of HF amplifier, followed by the ACOM1000 and ACOM1006,
> > and ACOM1010, which now have a proven track record for
> > performance and reliability and have become the preferred
> > equipment for DX expeditions, DXing and contests.
> >
> > ACOM International, Inc. was formed in 1999 to market and service
> > ACOM products in the Americas. ACOM International provides direct
sales
> > for the ACOM 2000A from its facilities in Medfield, MA, USA.
> >
> > WARRANTY>>>
> >
> > Warranty
> >
> > Solid product backed by a solid warranty.
> >
> > Standard Four-or Two-Year Return-to-Factory (RTF) Warranty
> >
> > ACOM stands behind the ACOM 2000A with a four-year warranty. All
> > other products have two year warranty. If your ACOM 2000A or ACOM
> > 1000 fails at any time during the coverage period, ACOM will repair
> > or
replace the unit.
> > Your only responsibility is prepaid shipping back to our service center.
> > Warranty coverage for tubes is one year.
> >
> > Rapid Swap-Out (RSO) Service
> >

> > If you need instant turnaround on an amplifier, ACOM offers a Rapid
> > Swap-Out service option. You'll have a replacement amp on-line as
> > fast as we can get it to you. Call ACOM for details.
> >
> > **
> > * If this is not correct it needs to be corrected. Bob at Array
> > Solution says 2 years on the 2000 and this web site says 4 years....
> > "ACOM International provides direct sales
> > for the ACOM 2000A from its facilities in Medfield, MA, USA."
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> > Yahoo! Groups Links
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Yahoo! Groups Links

Yahoo! Groups Links

3693. This gets stranger as it goes on ! LOL

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-01 01:47:27 UTC
From: Sonny
Topic: 3693 Message: 3693

ON4UN said and I quote "Early in 1998 I was approached by Vasko, LZ1JK, to "life" test a new automatic amplifier"

Yet when you do a search for LZ1JK you find on Ham Call:
Vassil Vassilev LZ1JK...

On QRZ. Com you find for LZ1JK:

LZ2JK ex: LZ1JK

ORLIN MISHEV

P.O.BOX 1300

1000 SOFIA,

Bulgaria

****

This sure is strange. Can you say twilight zone? LOL

3694. Re: [acom-list] This gets stranger as it goes on ! LOL

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-01 11:21:09 UTC
From: Tadej Arcon
Topic: 3693 Message: 3694

I do not see anything strange?! In the CQ WW 1999 contest was the first
time an Acom 2000a was in use.

Have you read the article about ACOM factory in LZ?

73s Tadej S52X

2010/9/1 Sonny <nmbsun1@...>

>
>
> ON4UN said and I quote "Early in 1998 I was approached by Vasko, LZ1JK, to
> "life" test a new automatic amplifier"
>
> Yet when you do a search for LZ1JK you find on Ham Call:
> Vassil Vassilev LZ1JK...
>
> On QRZ. Com you find for LZ1JK:
>
> LZ2JK ex: LZ1JK
>
> ORLIN MISHEV
>
> P.O.BOX 1300
>
> 1000 SOFIA,
>
> Bulgaria
>
> **********
>
> This sure is strange. Can you say twilight zone? LOL
>
>
>

--
Tadej Arcon

[Non-text portions of this message have been removed]

3695. Re: This gets stranger as it goes on ! LOL -- Language Barrier?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-01 14:38:00 UTC
From: Sonny
Topic: 3693 Message: 3695

I was talking about Vasko, LZ1JK and just what happened to his call. See below!

--- In acom-list@yahoogroups.com, Tadej Arcon <tadej.arcon@...> wrote:
>
> I do not see anything strange?! In the CQ WW 1999 contest was the first
> time an Acom 2000a was in use.
>
> Have you read the article about ACOM factory in LZ?
>
> 73s Tadej S52X
>
> 2010/9/1 Sonny <nmbsun1@...>
>
> >
> >
> > ON4UN said and I quote "Early in 1998 I was approached by Vasko, LZ1JK, to
> > "life" test a new automatic amplifier"
> >
> > Yet when you do a search for LZ1JK you find on Ham Call:
> > Vassil Vassilev LZ1JK...
> >
> > On QRZ. Com you find for LZ1JK:
> >
> > LZ2JK ex: LZ1JK
> >
> > ORLIN MISHEV
> >
> > P.O.BOX 1300
> >
> > 1000 SOFIA,
> >
> > Bulgaria
> >
> > **********
> >
> > This sure is strange. Can you say twilight zone? LOL
> >
> >
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>
> --
> Tadej Arcon
>

>
> [Non-text portions of this message have been removed]
>

3696. Acom History

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-03 12:02:02 UTC
From: Bob Naumann
Topic: 3696 Message: 3696

Acom has corrected their "About Acom" page and now correctly reports that the Acom 2000A was introduced in 1998.

http://www.acom-bg.com/index.php?option=com_content&view=article&id=46&Itemid=54

Where it now says:

"In 1998, the company introduced the automatic ACOM 2000A, a new generation of HF amplifier, followed by the ACOM 1000, ACOM 1006, and ACOM 1010, which now have a proven track record for performance, reliability and craftsmanship
and have become the preferred equipment for DXpeditions, DXing and contests".

3697. RE: [acom-list] Acom History

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-03 12:09:40 UTC
From: Kees - pa7two
Topic: 3696 Message: 3697

I can fully find myself in that statement. Acom produces very high standard quality products for us Radio Amateurs. The fast majority of the HAM market is flooded with (very) low quality products and Acoms products are most welcome.

Keep this standard high Acom and we buy many more products from your you!

Missing in my vision is the 6metre lacking on the Acom 1010/1011 and a manual tune 1400 watts amplifier running two GU74B tubes. The latter may change later this year as I was informed via an Acom email!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 3 Sep 2010 07:02:02 -0500
Subject: [acom-list] Acom History

Acom has corrected their "About Acom" page and now correctly reports that

the Acom 2000A was introduced in 1998.

http://www.acom-bg.com/index.php?option=com_content&view=article&id=46&Itemi

d=54

Where it now says:

"In 1998, the company introduced the automatic ACOM 2000A, a new generation

of HF amplifier, followed by the ACOM 1000, ACOM 1006, and ACOM 1010,

which now have a proven track record for performance, reliability and

craftsmanship

and have become the preferred equipment for DXpeditions, DXing and

contests".

[Non-text portions of this message have been removed]

3698. What happened to Vasko LZ1JK?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-03 15:56:16 UTC
From: Sonny
Topic: 3698 Message: 3698

See my other posts as to what has happend to his call, LZ1JK. I would love to know what happened about his call sign.

AB4VV

3699. Re: Acom History

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-03 16:08:55 UTC
From: Sonny
Topic: 3696 Message: 3699

I had an ETO 91b, built by Vasko, LZ1JK, he is suppose to be the designer of the new ACOMs. Best amp of its time. I now have the ACOM 1000. Just got the amp so I will hold off on a review but so far it is doing quite nice.

I see no purpose in going to a '1400' watt version. The gain in db as compared to the extra price is not worth it. Besides two 4CX800s would put out easily 2000 watts. At least my old 91b with the same tubes would. Besides going from 1k to 2k is just 3db or 1/2 S unit on receive...I have had several Legal limit amps but the downside of more blower noise and more problems with higher power as compared to running 1k to 1.2k is not worth the trouble as compared to the gain in signal.

AB4VV

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
>
> I can fully find myself in that statement. Acom produces very high standard quality products for us Radio Amateurs. The fast majority of the HAM market is flooded with (very) low quality products and Acoms products are most welcome.
>
> Keep this standard high Acom and we buy many more products from your you!
>
> Missing in my vision is the 6metre lacking on the Acom 1010/1011 and a manual tune 1400 watts amplifier running two GU74B tubes. The latter may change later this year as I was informed via an Acom email!
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
>
> To: acom-list@yahoogroups.com
> From: W5OV@...
> Date: Fri, 3 Sep 2010 07:02:02 -0500
> Subject: [acom-list] Acom History
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> Acom has corrected their "About Acom" page and now correctly reports that
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> the Acom 2000A was introduced in 1998.
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>
> http://www.acom-bg.com/index.php?option=com_content&view=article&id=46&Itemi
>
> d=54
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> Where it now says:
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>
> "In 1998, the company introduced the automatic ACOM 2000A, a new generation
>
> of HF amplifier, followed by the ACOM 1000, ACOM 1006, and ACOM 1010,
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> which now have a proven track record for performance, reliability and
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> craftsmanship
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> and have become the preferred equipment for DXpeditions, DXing and
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> contests".
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> [Non-text portions of this message have been removed]
>

3700. ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 15:39:49 UTC
From: Sonny
Topic: 3700 Message: 3700

I have a new ACOM 1000 and so far it is doing just fine. Problem is the manual. I assume that this amp, along with many new amps on the market, are aimed at the "non" technical ham. BUT< I want to know what is going on with my ham equipment. I see no reason to have an LCD meter showing me what my plate current is if the manual gives no clue as to what is normal range! Same goes for all the other specs of this amp. It gives the temp in C and F but just what are the temp limits of this tube?

I come from an era in ham radio where loading a tube amp was a thing you just took for granted with say an amp with an 8877 tube or 3-500z tube. Just dip the plate and keep the grid under a spec limit and load the amp for max output while keeping the grid under a certain spec. I knew what I was doing then and paying 3,250 for a kw amp I think it is quite reasonable to want to know what I am doing now. Don't you ?

If anyone Knows what I am talking about please be so kind as to share this info with me.

Thank you,

Sonny, AB4VV.....

3701. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 16:10:19 UTC
From: g4wjs
Topic: 3700 Message: 3701

--- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
>
> I have a new ACOM 1000 and so far it is doing just fine. Problem is the manual. I assume that this amp, along with many new amps on the market, are aimed at the "non" technical ham. BUT< I want to know what is going on with my ham equipment. I see no reason to have an LCD meter showing me what my plate current is if the manual gives no clue as to what is normal range! Same goes for all the other specs of this amp. It gives the temp in C and F but just what are the temp limits of this tube?
>
> I come from an era in ham radio where loading a tube amp was a thing you just took for granted with say an amp with an 8877 tube or 3-500z tube. Just dip the plate and keep the grid under a spec limit and load the amp for max output while keeping the grid under a certain spec. I knew what I was doing then and paying 3,250 for a kw amp I think it is quite reasonable to want to know what I am doing now. Don't you ?
>
> If anyone Knows what I am talking about please be so kind as to share this info with me.

Are you kidding? The ACOM amps give more information about DC and AC operating conditions than any other retail amp I've seen. If you want to find out about valve operating point recommendations then why not look up the valve data? As for the PSU and RF deck, I can assure you that it is built to easily deliver the input and output conditions necessary to feed the valve.

As for fault conditions, there is a lot more being monitored over and above the basic (but complete) parameters shown on the display. Almost all conceivable external fault conditions are checked and a good few internal ones as well. Again be assured that unexpected faults will do no harm and will be detected in an instant.

If you want to run the valve near it's maximum ratings all the time, then you will shorten the lifetime of the valve. It's not a simple equation for best use - you choose, high drive vs. long life, poor loads vs. long life, high mains voltage vs. long life, ...

My licence says only use the power level required for communication, unless you are running an AM broadcast station I would suggest that the amp will do the work for you. Just tune up and work the DX with the power level needed.

>
> Thank you,
>
> Sonny, AB4VV.....
>

Regards Bill G4WJS

3702. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 16:26:16 UTC
From: Sonny
Topic: 3700 Message: 3702

Thanks for the effort Bill, but you dont get it either.

AB4VV....

--- In acom-list@yahoogroups.com, "g4wjs" <bill.8@...> wrote:
>
>
>
> --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
> >
> > I have a new ACOM 1000 and so far it is doing just fine. Problem is the manual. I assume that this amp, along with many new amps on the market, are aimed at the "non" technical ham. BUT< I want to know what is going on with my ham equipment. I see no reason to have an LCD meter showing me what my plate current is if the manual gives no clue as to what is normal range! Same goes for all the other specs of this amp. It gives the temp in C and F but just what are the temp limits of this tube?
> >
> > I come from an era in ham radio where loading a tube amp was a thing you just took for granted with say an amp with an 8877 tube or 3-500z tube. Just dip the plate and keep the grid under a spec limit and load the amp for max output while keeping the grid under a certain spec. I knew what I was doing then and paying 3,250 for a kw amp I think it is quite reasonable to want to know what I am doing now. Don't you ?
> >
> > If anyone Knows what I am talking about please be so kind as to share this info with me.
>
> Are you kidding? The ACOM amps give more information about DC and AC operating conditions than any other retail amp I've seen. If you want to find out about valve operating point recommendations then why not look up the valve data? As for the PSU and RF deck, I can assure you that it is built to easily deliver the input and output conditions necessary to feed the valve.
>
> As for fault conditions, there is a lot more being monitored over and above the basic (but complete) parameters shown on the display. Almost all conceivable external fault conditions are checked and a good few internal ones as well. Again be assured that unexpected faults will do no harm and will be detected in an instant.
>
> If you want to run the valve near it's maximum ratings all the time, then you will shorten the lifetime of the valve. It's not a simple equation for best use - you choose, high drive vs. long life, poor loads vs. long life, high mains voltage vs. long life, ...
>
> My licence says only use the power level required for communication, unless you are running an AM broadcast station I would suggest that the amp will do the work for you. Just tune up and work the DX with the power level needed.
>

> >
> > Thank you,
> >
> > Sonny, AB4VV.....
> >
>
> Regards Bill G4WJS
>

3703. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 16:33:54 UTC
From: Sonny
Topic: 3700 Message: 3703

Bill, you are a great example of what I am talking about with the non tech hams. The way I read what to you told me is "just run the amp and dont worry about what you are doing, just load it up to the little arrow and forget about knowing anything else". NO THANKS> I am not an appliance op.

AB4VV...

--- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
>
> Thanks for the effort Bill, but you dont get it either.
>
> AB4VV....
>
> --- In acom-list@yahoogroups.com, "g4wjs" <bill.8@> wrote:
> >
> >
> >
> > --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
> > >
> > > I have a new ACOM 1000 and so far it is doing just fine. Problem is the manual. I assume that this amp, along with many new amps on the market, are aimed at the "non" technical ham. BUT< I want to know what is going on with my ham equipment. I see no reason to have an LCD meter showing me what my plate current is if the manual gives no clue as to what is normal range! Same goes for all the other specs of this amp. It gives the temp in C and F but just what are the temp limits of this tube?
> > >
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> > >
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> > Are you kidding? The ACOM amps give more information about DC and AC operating conditions than any other retail amp I've seen. If you want to find out about valve operating point recommendations then why not look up the valve data? As for the PSU and RF deck, I can assure you that it is built to easily deliver the input and output conditions necessary to feed the valve.
> >
> > As for fault conditions, there is a lot more being monitored over and above the basic (but complete) parameters shown on the display. Almost all conceivable external fault conditions are checked and a good few internal ones as well. Again be assured that unexpected faults will do no harm and will be detected in an instant.

> >
> > If you want to run the valve near it's maximum ratings all the time, then you will shorten the lifetime of the valve. It's not a simple equation for best use - you choose, high drive vs. long life, poor loads vs. long life, high mains voltage vs. long life, ...
> >
> > My licence says only use the power level required for communication, unless you are running an AM broadcast station I would suggest that the amp will do the work for you. Just tune up and work the DX with the power level needed.
> >
> > >
> > > Thank you,
> > >
> > > Sonny, AB4VV.....
> > >
> >
> > Regards Bill G4WJS
> >
>

3704. RE: [acom-list] Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 16:48:08 UTC
From: John Lemay
Topic: 3700 Message: 3704

Sonny

I hope you get the information that you've asked for. As an owner of the same piece of equipment I've often asked myself the same questions. The valve specification will not tell you everything because I would expect the amplifier manufacturer to apply a safety margin, and we are not told what that is. No doubt there are also "recommended" and "absolute maximum" values.

And regarding the other writer who said that there is monitoring of umpteen parameters and more besides - it didn't save my Acom 1000. There was a component failure within the PA compartment very early in its life. This caused some of the protection circuitry to fail and it was "return to base". (Overdriving ? No chance, it was on standby).

Regards

John G4ZTR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Sonny
Sent: 06 September 2010 17:34
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 1000 Specs. ?

Bill, you are a great example of what I am talking about with the non tech hams. The way I read what to you told me is "just run the amp and dont worry about what you are doing, just load it up to the little arrow and forget about knowing anything else". NO THANKS> I am not an appliance op.

AB4VV...

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , "Sonny" <nmbsun1@...> wrote:
>
> Thanks for the effort Bill, but you dont get it either.
>
> AB4VV....
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , "g4wjs" <bill.8@> wrote:
> >
> >
> >
> > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,

"Sonny" <nmbsun1@> wrote:
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> > My licence says only use the power level required for communication, unless you are running an AM broadcast station I would suggest that the amp will do the work for you. Just tune up and work the DX with the power level needed.
> >
> > >
> > > Thank you,
> > >
> > > Sonny, AB4VV.....
> > >
> > >
> > > Regards Bill G4WJS

> >
>

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5428 (20100906) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

3705. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 17:30:41 UTC
From: g4wjs
Topic: 3700 Message: 3705

--- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
>
> Bill, you are a great example of what I am talking about with the non tech hams. The way I read what to you told me is "just run the amp and dont worry about what you are doing, just load it up to the little arrow and forget about knowing anything else". NO THANKS> I am not an appliance op.

You clearly did not read or understand what I said. What I am saying is that you need to understand the characteristics of the valve. The data is readily available and you can translate the data from the display into the information you require. There is no single solution to operating parameters - you need to apply your purported technical knowledge to the problem you state.

>
> AB4VV...
>
>
>
> --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
> >
> > Thanks for the effort Bill, but you dont get it either.
> >
> > AB4VV....
> >
> > --- In acom-list@yahoogroups.com, "g4wjs" <bill.8@> wrote:
> > >
> > >
> > >
> > > --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
> > > >
> > > > I have a new ACOM 1000 and so far it is doing just fine. Problem is the manual. I assume that this amp, along with many new amps on the market, are aimed at the "non" technical ham. BUT< I want to know what is going on with my ham equipment. I see no reason to have an LCD meter showing me what my plate current is if the manual gives no clue as to what is normal range! Same goes for all the other specs of this amp. It gives the temp in C and F but just what are the temp limits of this tube?
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> > >
> > > Are you kidding? The ACOM amps give more information about DC and AC operating conditions than any other retail amp I've seen. If you want to find out about valve operating point recommendations then why not look up the valve data? As for the PSU and RF deck, I can assure you that it is built to easily deliver the input and output conditions necessary to feed the valve.
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> > >
> > > My licence says only use the power level required for communication, unless you are running an AM broadcast station I would suggest that the amp will do the work for you. Just tune up and work the DX with the power level needed.
> > >
> > > >
> > > > Thank you,
> > > >
> > > > Sonny, AB4VV.....
> > > >
> > > >
> > > > Regards Bill G4WJS
> > > >
> > >
> >

Regards Bill G4WJS

3706. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 17:35:25 UTC
From: g4wjs
Topic: 3700 Message: 3706

--- In acom-list@yahoogroups.com, "John Lemay" <john@...> wrote:
>
> Sonny
>
>
>
> I hope you get the information that you've asked for. As an owner of the
> same piece of equipment I've often asked myself the same questions. The
> valve specification will not tell you everything because I would expect the
> amplifier manufacturer to apply a safety margin, and we are not told what
> that is. No doubt there are also "recommended" and "absolute maximum"
> values.
>
>
>
> And regarding the other writer who said that there is monitoring of umpteen
> parameters and more besides - it didn't save my Acom 1000. There was a
> component failure within the PA compartment very early in its life. This
> caused some of the protection circuitry to fail and it was "return to base".
> (Overdriving ? No chance, it was on standby).

Hi - I'm the "other writer" - I have a name ;-)

Well I did say "a good few internal" (fault conditions are checked), obviously not all internal faults can be checked - for example the fault checking circuitry itself would need fault checking :-(At some point the pure quality of manufacture and design must be trusted, and when components fail early in life then warranties save the day.

>
>
>
> Regards
>
>
>
> John G4ZTR
>
>
>
> -----
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Sonny
> Sent: 06 September 2010 17:34
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: ACOM 1000 Specs. ?

>
>
>
>
>
> Bill, you are a great example of what I am talking about with the non tech
> hams. The way I read what to you told me is "just run the amp and dont worry
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> AB4VV...
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> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "Sonny" <nmbsun1@> wrote:
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> > > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "Sonny" <nmbsun1@> wrote:
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> with my ham equipment. I see no reason to have an LCD meter showing me what
> my plate current is if the manual gives no clue as to what is normal range!
> Same goes for all the other specs of this amp. It gives the temp in C and F
> but just what are the temp limits of this tube?
> > > >
> > > > I come from an era in ham radio where loading a tube amp was a thing
> you just took for granted with say an amp with an 8877 tube or 3-500z tube.
> Just dip the plate and keep the grid under a spec limit and load the amp for
> max output while keeping the grid under a certain spec. I knew what I was
> doing then and paying 3,250 for a kw amp I think it is quite reasonable to
> want to know what I am doing now. Don't you ?
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> > > > If anyone Knows what I am talking about please be so kind as to share
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> > > Are you kidding? The ACOM amps give more information about DC and AC
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> built to easily deliver the input and output conditions necessary to feed

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> > > As for fault conditions, there is a lot more being monitored over and
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> > >
> > > >
> > > > Thank you,
> > > >
> > > > Sonny, AB4VV.....
> > > >
> > >
> > > Regards Bill G4WJS

Regards Bill G4WJS

3707. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 17:42:04 UTC
From: Sonny
Topic: 3700 Message: 3707

Bill, some of the tech data from Svetlana about this tube is below. You will notice that the Max voltage is 2.5k. This amp of mine shows 2800! Also it says the Max output is 750 watts.

This throws all the specs of this tube out the window because the designer has put more voltage on the tube than is allowed by the tube maker.
"
Maximum ratings
DC plate voltage 2.5 kV
DC screen voltage 350 V
DC grid voltage -150 V
DC Plate current 0.8 A
Plate dissipation 800 W
Screen dissipation 15 W
Grid dissipation 2 W "

AB4VV......

--- In acom-list@yahoogroups.com, "g4wjs" <bill.8@...> wrote:
>
>
>
> --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
> >
> > Bill, you are a great example of what I am talking about with the non tech hams. The way I read what to you told me is "just run the amp and dont worry about what you are doing, just load it up to the little arrow and forget about knowing anything else". NO THANKS> I am not an appliance op.
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> You clearly did not read or understand what I said. What I am saying is that you need to understand the characteristics of the valve. The data is readily available and you can translate the data from the display into the information you require. There is no single solution to operating parameters - you need to apply your purported technical knowledge to the problem you state.
>
> >
> > AB4VV...
> >
> >
> >
> > --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
> > >
> > > Thanks for the effort Bill, but you dont get it either.
> > >
> > > AB4VV....
> > >

> > > --- In acom-list@yahoogroups.com, "g4wjs" <bill.8@> wrote:
> > > >
> > > >
> > > >
> > > > --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
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> > > > > I come from an era in ham radio where loading a tube amp was a thing you just took for granted with say an amp with an 8877 tube or 3-500z tube. Just dip the plate and keep the grid under a spec limit and load the amp for max output while keeping the grid under a certain spec. I knew what I was doing then and paying 3,250 for a kw amp I think it is quite reasonable to want to know what I am doing now. Don't you ?
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> > > > > If anyone Knows what I am talking about please be so kind as to share this info with me.
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> > > > Are you kidding? The ACOM amps give more information about DC and AC operating conditions than any other retail amp I've seen. If you want to find out about valve operating point recommendations then why not look up the valve data? As for the PSU and RF deck, I can assure you that it is built to easily deliver the input and output conditions necessary to feed the valve.
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> > > > > Thank you,
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> > > > > Sonny, AB4VV.....
> > > > >
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> > > > Regards Bill G4WJS
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> > >

> >
>
> Regards Bill G4WJS
>

3708. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 18:01:33 UTC
From: g4wjs
Topic: 3700 Message: 3708

--- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
>
> Bill, some of the tech data from Svetlana about this tube is below. You will notice that the Max voltage is 2.5k. This amp of mine shows 2800! Also it says the Max output is 750 watts.
>
> This throws all the specs of this tube out the window because the designer has put more voltage on the tube than is allowed by the tube maker.
> "
> Maximum ratings
> DC plate voltage 2.5 kV
> DC screen voltage 350 V
> DC grid voltage -150 V
> DC Plate current 0.8 A
> Plate dissipation 800 W
> Screen dissipation 15 W
> Grid dissipation 2 W "
>

Have tried inputting enough drive to give 750W CW output and checking the anode voltage under those conditions?

>
> AB4VV......

Bill
G4WJS

3709. Re: [acom-list] Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 18:14:14 UTC
From: Paul M Dunphy
Topic: 3700 Message: 3709

At 02:42 PM 9/6/2010, you wrote:
>Bill, some of the tech data from Svetlana about this tube is below.
>You will notice that the Max voltage is 2.5k. This amp of mine shows
>2800! Also it says the Max output is 750 watts.
>
>This throws all the specs of this tube out the window because the
>designer has put more voltage on the tube than is allowed by the tube maker.
>"
>Maximum ratings
>DC plate voltage 2.5 kV
>DC screen voltage 350 V
>DC grid voltage -150 V
>DC Plate current 0.8 A
>Plate dissipation 800 W
>Screen dissipation 15 W
>Grid dissipation 2 W "
>
>
>AB4VV......

Perhaps, but these things are built like tanks (and the original GU74b tube was literally designed for use in tanks by the Soviet Union.) Mine is over 4 years old and runs 7-8 hours a day, every day. I still have the original tube and it and cracks like a rifle on 160m thru 6M.

If I may be so bold, it you don't like it, why did you buy it? Seems like a lot of money to spend on an amp if you didn't research it first. I sure did, looking at manuals, photos, talking to other owners, etc. It is literally the best bang for your buck. Nothing can come close dollar per watt *and* be so reliable.

If you are going to get on a Yahoo list devoted to ACOM amps, consisting almost exclusively of ACOM owners, you ain't gonna get a lot of sympathy if you dump all over the product . . . if you don't like it, sell it and buy an MFJ with the money. You get to take them apart and look at the components a lot.

73, Paul VE1DX

3710. Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 18:28:01 UTC
From: Sonny
Topic: 3700 Message: 3710

Paul,
I never said I did not like the amp. I am just asking for the specs of the amp seeing as how the designer of the 1000 is not using the specs from the tube maker.

AB4VV...

--- In acom-list@yahoogroups.com, Paul M Dunphy <amplifier@...> wrote:
>
> At 02:42 PM 9/6/2010, you wrote:
> >Bill, some of the tech data from Svetlana about this tube is below.
> >You will notice that the Max voltage is 2.5k. This amp of mine shows
> >2800! Also it says the Max output is 750 watts.
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> >This throws all the specs of this tube out the window because the
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> If you are going to get on a Yahoo list devoted to ACOM amps,
> consisting almost exclusively of ACOM owners, you ain't gonna get a
> lot of sympathy if you dump all over the product . . . if you don't
> like it, sell it and buy an MFJ with the money. You get to take them
> apart and look at the components a lot.

>
> 73, Paul VE1DX
>

3711. Re: [acom-list] Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 21:56:25 UTC
From: Callum MØMCX
Topic: 3700 Message: 3711

Sonny, I really don't understand the definition of a "non technical ham". It's contradictory. The hobby is all about being technical.. You can't simplify it - and I don't want it simplified. End of.

Callum McCormick

On 6 Sep 2010, at 17:33, "Sonny" <nmbsun1@...> wrote:

> Bill, you are a great example of what I am talking about with the
> non tech hams. The way I read what to you told me is "just run the
> amp and dont worry about what you are doing, just load it up to the
> little arrow and forget about knowing anything else". NO THANKS> I
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> --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@...> wrote:
> >
> > Thanks for the effort Bill, but you dont get it either.
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> > AB4VV....
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> > > --- In acom-list@yahoogroups.com, "Sonny" <nmbsun1@> wrote:
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> > > > I have a new ACOM 1000 and so far it is doing just fine.
> Problem is the manual. I assume that this amp, along with many new
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> want to know what is going on with my ham equipment. I see no reason
> to have an LCD meter showing me what my plate current is if the
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> now. Don't you ?
> > > >
> > > > If anyone Knows what I am talking about please be so kind as

> to share this info with me.
> > >
> > > Are you kidding? The ACOM amps give more information about DC
> and AC operating conditions than any other retail amp I've seen. If
> you want to find out about valve operating point recommendations
> then why not look up the valve data? As for the PSU and RF deck, I
> can assure you that it is built to easily deliver the input and
> output conditions necessary to feed the valve.
> > >
> > > As for fault conditions, there is a lot more being monitored
> over and above the basic (but complete) parameters shown on the
> display. Almost all conceivable external fault conditions are
> checked and a good few internal ones as well. Again be assured that
> unexpected faults will do no harm and will be detected in an instant.
> > >
> > > If you want to run the valve near it's maximum ratings all the
> time, then you will shorten the lifetime of the valve. It's not a
> simple equation for best use - you choose, high drive vs. long life,
> poor loads vs. long life, high mains voltage vs. long life, ...
> > >
> > > My licence says only use the power level required for
> communication, unless you are running an AM broadcast station I
> would suggest that the amp will do the work for you. Just tune up
> and work the DX with the power level needed.
> > >
> > > > >
> > > > > Thank you,
> > > > >
> > > > > Sonny, AB4VV.....
> > > > >
> > > >
> > > > Regards Bill G4WJS
> > > >
> > >
>
>

[Non-text portions of this message have been removed]

3712. (no subject)

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 23:22:39 UTC
From: Mike Minor
Topic: 3712 Message: 3712

Sent from my iPad

3713. ACOM1000 Technical Data

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 23:34:53 UTC
From: dj3iw@web.de
Topic: 3713 Message: 3713

Hi Sonny,

when I bought my ACOM1000 several years ago my dealer asked me
if I wanted/needed the (addional) Service Information/Data. Yes I did
and so received all this additional stuff. At that time it was available
just for asking.

Amongst the data is a small text file A1000_Tube_Regime.txt. It has all
the data you are looking for.

73 de Goetz, DJ3IW

_____
GRATIS für alle WEB.DE Nutzer: Die maxdome Movie-FLAT!
Jetzt freischalten unter http://movieflat.web.de

3714. Re: [acom-list] Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 23:43:42 UTC
From: Mike Harris
Topic: 3700 Message: 3714

G'day,

Measured on my unit using the '1000 metering:

Frequency 10105kHz. Antenna VSWR 1.0:1

Key down - 0W O/P

HV 2560V, Plate current 50mA, Screen current 0mA, Drive 0W

Key down - 750W O/P

HV 2200V, Plate current 570mA, Screen current 11mA, Drive 57W

Key down - 1000W O/P

HV 2172V, Plate current 650mA, Screen current 38mA, Drive 78W

Notes:

1. Accuracy of the power meter is unknown and I don't have an
external meter to check against.
2. I didn't measure the effect on the AC supply voltage under
load. I do know that when using CW at 600W and above the house
lights flicker. I might need to change the transformer tap.
3. Screen voltage from schematics in the technical supplement is
340V. At 1000W O/P screen disipation is 13.26W
4. Plate dissipation 404W

I have used my '1000 on 6M eme running 900W O/P (indicated) for
skeds lasting over one hour with a 50 seconds on, 70 seconds off
duty cycle WSJT65. The indicated air temperature never exceeded 80C
and the blower never switched to high speed.

Nothing exactly equates to the tube data sheet, however, it doesn't
look particularly stressed to me.

I've worked with PA's running a variety of power tubes including
4CX5000A's in Marconi auto tune amps, Penta Labs PL something or
other 2500W (bloody awful pentode prone to flash over until I
dropped the screen voltage to something closer to the manufacturers
max) in fact it was in a equally bloody awful amp that didn't cool
the 4CX350R drivers enough and the plating burnt off the anodes.
Distributed load wideband (no tune) 1kW Marconi amp running 10 or 12
4CX250B in push pull parallel.

In all these units tube currents varied from specimen to specimen
when fresh out of the box.

Taken from some Acom technical literature:

Protection parameters ACOM 1000

1. Cooling and exhaust air temperature. On switch-on, the fan speeds up for a moment in order to easily get started if mains voltage is lowered. After that, the fan speed is controlled as follows:

- while in OPERATE, it speeds up when exh. air temperature increases above 90C (194F). It slows down when temp. falls below 80C (176F). At 130C (266F) you'll get a warning message (still operating). Above 150C (302F) it will go to STBY.

- while in STBY, fan speeds up above 100C (212F) and slows down below 70C (158F). It will shut down above 165C (329F) but the fan will continue running with a "still cooling tube" message, until temp. drops below 70C (158F).

2. Reflected power above 300W: go to STBY.

3. Screen grid current above 80mA or control grid current above 10mA: go to STBY (but you can't measure the control grid current by the RCU).

4. Plate current:

- above 700mA: warning message on the LCD;

- above 800mA for 4s: go to STBY;

- above 1.2A: immediately OFF.

5. HV below 1800V or above 3300V: OFF (Bad mains input voltage or HV rectifier problem assumption).

6. Drive power:

- above 90W: warning message on the LCD;

- above 120W: go to STBY.

7. Power gain below 9.5dB and above 16dB: set the input attenuator (bad tuning is assumptive).

8. Arc fault: check the RF path to the antenna as well as the antenna itself for bad connections or insulation.

9. Hot Switching: check control cables to the transceiver or transceiver's RF-to-transmit request timing.

10. Low air: check whether the air inlet and exhaust openings are not obstructed, or check the blower itself.

Healthy Tube Regime Parameters ACOM 1000

During RX: +2750...2770V anode voltage; SG voltage +340V for operate and +12V for standby; Bias voltage -120V; Anode current below 1mA.

With PTT only: +2700V anode and same SG voltages; Bias voltage between -65 and -75V, set for a 70mA low-level anode idling current, depending on the tube specimen.

With PTT and very small RF drive: +2600V anode voltage, same SG voltage; Bias voltage between -45 and -60V, set for a 220mA high-level anode idling current, depending on the tube specimen.

During TX, 1000W (external wattmeter) @ 14MHz: +2380...2400V DC anode voltage, same SG voltage, and 510-520mA DC anode current. The SG current depends on the tube specimen but is usually between 10 and 20mA. The RF anode amplitude (as measured on the LCD) must be 150-200V below the measured DC anode voltage.

On higher bands, the anode current gradually increases up to 560-580mA on 52MHz and the DC anode voltage is around 2350V at the same time (provided the mains is not "soft").

The power gain on 14MHz is 12...12,5dB up to 900-950W and it slightly decreases (-0,5dB) to 1000W. On the higher bands, the power gain might increase to about +1dB.

When ACOM1000 is normally loaded and tuned, the screen current is typically zero below 35-40W drive power and it begins to flow above 40W drive. Further increasing the drive, the screen current steeply increases, saturating to about 55-60mA at a 70-75W drive level. A current limiter is involved at this threshold.

The screen current might not appear if the plate loading resistance is too low, thus the anode instant voltage not reaching a low-enough value to approach the SG voltage for a higher SG current.

3715. Re: [acom-list] Re: ACOM 1000 Specs. ?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-06 23:46:40 UTC
From: Mike Harris
Topic: 3700 Message: 3715

G'day,

Measured on my unit using the '1000 metering:

Frequency 10105kHz. Antenna VSWR 1.0:1

Key down - 0W O/P

HV 2560V, Plate current 50mA, Screen current 0mA, Drive 0W

Key down - 750W O/P

HV 2200V, Plate current 570mA, Screen current 11mA, Drive 57W

Key down - 1000W O/P

HV 2172V, Plate current 650mA, Screen current 38mA, Drive 78W

Notes:

1. Accuracy of the power meter is unknown and I don't have an
external meter to check against.
2. I didn't measure the effect on the AC supply voltage under
load. I do know that when using CW at 600W and above the house
lights flicker. I might need to change the transformer tap.
3. Screen voltage from schematics in the technical supplement is
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4. Plate dissipation 404W

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skeds lasting over one hour with a 50 seconds on, 70 seconds off
duty cycle WSJT65. The indicated air temperature never exceeded 80C
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Nothing exactly equates to the tube data sheet, however, it doesn't
look particularly stressed to me.

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4CX5000A's in Marconi auto tune amps, Penta Labs PL something or
other 2500W (bloody awful pentode prone to flash over until I
dropped the screen voltage to something closer to the manufacturers
max) in fact it was in a equally bloody awful amp that didn't cool
the 4CX350R drivers enough and the plating burnt off the anodes.
Distributed load wideband (no tune) 1kW Marconi amp running 10 or 12
4CX250B in push pull parallel.

In all these units tube currents varied from specimen to specimen
when fresh out of the box.

Taken from some Acom technical literature:

Protection parameters ACOM 1000

1. Cooling and exhaust air temperature. On switch-on, the fan speeds up for a moment in order to easily get started if mains voltage is lowered. After that, the fan speed is controlled as follows:

- while in OPERATE, it speeds up when exh. air temperature increases above 90C (194F). It slows down when temp. falls below 80C (176F). At 130C (266F) you'll get a warning message (still operating). Above 150C (302F) it will go to STBY.

- while in STBY, fan speeds up above 100C (212F) and slows down below 70C (158F). It will shut down above 165C (329F) but the fan will continue running with a "still cooling tube" message, until temp. drops below 70C (158F).

2. Reflected power above 300W: go to STBY.

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4. Plate current:

- above 700mA: warning message on the LCD;

- above 800mA for 4s: go to STBY;

- above 1.2A: immediately OFF.

5. HV below 1800V or above 3300V: OFF (Bad mains input voltage or HV rectifier problem assumption).

6. Drive power:

- above 90W: warning message on the LCD;

- above 120W: go to STBY.

7. Power gain below 9.5dB and above 16dB: set the input attenuator (bad tuning is assumptive).

8. Arc fault: check the RF path to the antenna as well as the antenna itself for bad connections or insulation.

9. Hot Switching: check control cables to the transceiver or transceiver's RF-to-transmit request timing.

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With PTT and very small RF drive: +2600V anode voltage, same SG voltage; Bias voltage between -45 and -60V, set for a 220mA high-level anode idling current, depending on the tube specimen.

During TX, 1000W (external wattmeter) @ 14MHz: +2380...2400V DC anode voltage, same SG voltage, and 510-520mA DC anode current. The SG current depends on the tube specimen but is usually between 10 and 20mA. The RF anode amplitude (as measured on the LCD) must be 150-200V below the measured DC anode voltage.

On higher bands, the anode current gradually increases up to 560-580mA on 52MHz and the DC anode voltage is around 2350V at the same time (provided the mains is not "soft").

The power gain on 14MHz is 12...12,5dB up to 900-950W and it slightly decreases (-0,5dB) to 1000W. On the higher bands, the power gain might increase to about +1dB.

When ACOM1000 is normally loaded and tuned, the screen current is typically zero below 35-40W drive power and it begins to flow above 40W drive. Further increasing the drive, the screen current steeply increases, saturating to about 55-60mA at a 70-75W drive level. A current limiter is involved at this threshold.

The screen current might not appear if the plate loading resistance is too low, thus the anode instant voltage not reaching a low-enough value to approach the SG voltage for a higher SG current.

Regards,

Mike VP8NO

3716. ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-08 14:27:09 UTC
From: Sonny
Topic: 3716 Message: 3716

Does anyone know why the 1010 while using the same tube and power supply as the 1000 is rated at 700 watts pep output while the 1000 is rated at 1000 watts pep output?

AB4VV.....

3717. Re: ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-08 14:34:47 UTC
From: dj3iw@web.de
Topic: 3716 Message: 3717

Yes Sonny,

because the ACOM1000 uses a heavier mains transformer or the
other way round the 1010s mains transformer is not rugged enough.

----- Original Message ----- From: "Sonny" To: Sent: Wednesday, September 08, 2010 2:27 PM Subject: [acom-list] ACOM 1000 vs 1010 Does anyone know why the 1010 while using the same tube and power supply as the 1000 is rated at 700 watts pep output while the 1000 is rated at 1000 watts pep output?AB4VV.....

_____
GRATIS für alle WEB.DE Nutzer: Die maxdome Movie-FLAT!
Jetzt freischalten unter http://movieflat.web.de

3718. RE: [acom-list] Re: ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-08 14:48:10 UTC
From: Kees - pa7two
Topic: 3716 Message: 3718

Correct, but not only that. Beside the transformer, lots of other components are not capable of safely handling any higher output than 800 watts. An example are the relais used that switches the RF (normal type!!) and disc capacitors, coils etc.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: dj3iw@...
Date: Wed, 8 Sep 2010 16:34:47 +0200
Subject: [acom-list] Re: ACOM 1000 vs 1010

Yes Sonny,

because the ACOM1000 uses a heavier mains transformer or the

other way round the 1010s mains transformer is not rugged enough.

----- Original Message ----- From: "Sonny" To: Sent: Wednesday, September 08, 2010 2:27 PM Subject: [acom-list] ACOM 1000 vs 1010 Does anyone know why the 1010 while using the same tube and power supply as the 1000 is rated at 700 watts pep output while the 1000 is rated at 1000 watts pep output?AB4VV.....

GRATIS f?r alle WEB.DE Nutzer: Die maxdome Movie-FLAT!

Jetzt freischalten unter http://movieflat.web.de

[Non-text portions of this message have been removed]

3719. Re: [acom-list] ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-08 16:01:44 UTC
From: W5OV@w5ov.com
Topic: 3716 Message: 3719

The power supply in the 1010 and 1000 are not the same.

> Does anyone know why the 1010 while using the same tube and power supply
> as the 1000 is rated at 700 watts pep output while the 1000 is rated at
> 1000 watts pep output?
>
> AB4VV.....
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>

3720. Re: [acom-list] ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-08 22:55:29 UTC
From: kg4lru@aol.com
Topic: 3716 Message: 3720

Transformer SIZE matters

In a message dated 9/8/2010 10:27:23 A.M. Eastern Daylight Time,
nmbsun1@... writes:

Does anyone know why the 1010 while using the same tube and power supply as
the 1000 is rated at 700 watts pep output while the 1000 is rated at 1000
watts pep output?

AB4VV.....

[Non-text portions of this message have been removed]

3721. eRROR MESSAGE

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-15 00:02:41 UTC
From: n5qs
Topic: 3721 Message: 3721

I have an Acom 2000A
Today when powering it on it started showing

BIAS TOO LOW
AT POWER ON: -27V

Anyone know what could be causing it?

Thanks
Roger. N5QS

3722. Re: eRROR MESSAGE

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-15 10:27:17 UTC
From: N1EU
Topic: 3721 Message: 3722

http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252

73, Barry N1EU

--- In acom-list@yahoogroups.com, "n5qs" <ygroup@...> wrote:
>
> I have an Acom 2000A
> Today when powering it on it started showing
>
> BIAS TOO LOW
> AT POWER ON: -27V
>
> Anyone know what could be causing it?
>
> Thanks
> Roger. N5QS
>

3723. Re: [acom-list] Re: eRROR MESSAGE

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-15 14:57:49 UTC
From: Roger Gray
Topic: 3721 Message: 3723

this answer
Search server is busy (code=300). Please try again later. If you
continue to experience trouble, please contact our Customer Care team
<http://help.yahoo.com/l/us/yahoo/groups/original/ownmod/forms/general.html>.
We apologize for this inconvenience.
does not help and is all i can get from search

Roger

N1EU wrote:
>
> http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset
=windows-1252
> <http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charse
t=windows-1252>
>
> 73, Barry N1EU
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
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> > I have an Acom 2000A
> > Today when powering it on it started showing
> >
> > BIAS TOO LOW
> > AT POWER ON: -27V
> >
> > Anyone know what could be causing it?
> >
> > Thanks
> > Roger. N5QS
> >
>
>

3724. Re: [acom-list] Re: eRROR MESSAGE

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-15 15:00:37 UTC
From: Fulvio Galli
Topic: 3721 Message: 3724

same to me.

Fulvio HB9DHG

On Sep 15, 2010, at 4:57 PM, Roger Gray wrote:

> this answer
> Search server is busy (code=300). Please try again later. If you
> continue to experience trouble, please contact our Customer Care team
> <http://help.yahoo.com/l/us/yahoo/groups/original/ownmod/forms/general.html>.
> We apologize for this inconvenience.
> does not help and is all i can get from search
>
> Roger
>
> N1EU wrote:
>>
>> http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252
>> <http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252>
>>
>> 73, Barry N1EU
>>
>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
>> "n5qs" <ygroup@...> wrote:
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>>> BIAS TOO LOW
>>> AT POWER ON: -27V
>>>
>>> Anyone know what could be causing it?
>>>
>>> Thanks
>>> Roger. N5QS
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3725. Re: [acom-list] Re: eRROR MESSAGE

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-15 15:03:39 UTC
From: Fulvio Galli
Topic: 3721 Message: 3725

Roger,

if you select the link directly you'll have problem (at least same to me as confirmed) but if you select the "Messages" link from the yahoo group, you are able to search as suggested by Barry.
You can browse the messages but I found this:

Re: Acom 2000 bias too low again !/ SOLVED !

Hi all !
The problem was actually an internal leak between G1 and G2 in one of the tubes. This in turn pulled on the G1 bias causing it to go far too low. The tube fault altso caused transistors Q1 and Q2 on the HVSG board (G2 regulator) to fail into short circuit.(Q1 is replaced with a higher voltage type in later production) This brought the G2 bias from 12v to 430V in STBY ! As the amp measuring sequence at startup is G1-g2 etc the RCU showed the G1 bias pull and then the amp went power off. Stan at Acom Bulgaria has been extremely helpful and has given me a lot of good support. This is great service ! Thank you Stan !
Merry Christmas to everybody !

73's de LA7SL Peter

Hope this helps you.

Fulvio HB9DHG

On Sep 15, 2010, at 4:57 PM, Roger Gray wrote:

> this answer
> Search server is busy (code=300). Please try again later. If you
> continue to experience trouble, please contact our Customer Care team
> <http://help.yahoo.com/l/us/yahoo/groups/original/ownmod/forms/general.html>.
> We apologize for this inconvenience.
> does not help and is all i can get from search
>
> Roger
>
> N1EU wrote:
>>
>> http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252
>> <http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252>
>>
>> 73, Barry N1EU
>>
>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,

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>>> Anyone know what could be causing it?
>>>
>>> Thanks
>>> Roger. N5QS
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> Yahoo! Groups Links
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3726. Re: [acom-list] Re: eRROR MESSAGE

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-15 16:01:18 UTC
From: la7sl Nils Petter
Topic: 3721 Message: 3726

Hi !
This was the problem in my case. A G1 to cathode leak in the tube(s) is
a more usual failure mode... A lot of the so called NOS tubes on the surplus
market develops this sort of problem. Usually this starts with gas in the tube
due to long shelf storage. Can also be caused by mechanical shock during
shipment etc. A far less frequent failure mode is an electrical fault in the amplifier
circuits. Very small leakage currents, in the order of a milliampere or less can cause
havoc in these circuits ! Methods of measurements to locate these faults are available
from a CD available from Acom to Acom owners. They need your serial number, and will
then usually send you this CD free of charge. Be aware that this amp is quite complicated !
You need good knowledge in electronics and good workshop skills to repair this one !
One example is that there is a setup procedure after changing tubes. To reach the
adjustment
points you have to remove the front panel. Do not just replace tubes without
adjustments...this
may cause everything from splatter to breakdown...
Now that you are warned, ask Acom to send the CD or bring your amp to Acom or a
professional
service-spot....
Peter
----- Original Message -----
From: Fulvio Galli
To: acom-list@yahoogroups.com
Sent: Wednesday, September 15, 2010 5:03 PM
Subject: Re: [acom-list] Re: eRROR MESSAGE

Roger,

if you select the link directly you'll have problem (at least same to me as confirmed)
but if you select the "Messages" link from the yahoo group, you are able to search as
suggested by Barry.
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This in turn pulled on the G1 bias causing it to go far too low. The tube fault
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This brought the G2 bias from 12v to 430V in STBY ! As the amp measuring
sequence at startup is G1-g2 etc the RCU showed the G1 bias pull and then the
amp went power off. Stan at Acom Bulgaria has been extremely helpful and has
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> continue to experience trouble, please contact our Customer Care team
> <http://help.yahoo.com/l/us/yahoo/groups/original/ownmod/forms/general.html>.
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> Roger
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> N1EU wrote:
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>> http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252
>> <http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252>
>>
>> 73, Barry N1EU
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>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
>> "n5qs" <ygroup@...> wrote:
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>>> AT POWER ON: -27V
>>>
>>> Anyone know what could be causing it?
>>>
>>> Thanks
>>> Roger. N5QS
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No virus found in this outgoing message.
Checked by AVG - www.avg.com
Version: 9.0.851 / Virus Database: 271.1.1/3136 - Release Date: 09/15/10 08:34:00

[Non-text portions of this message have been removed]

3727. HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 05:54:35 UTC
From: ea2ok
Topic: 3727 Message: 3727

Hello, I´m Juanjo EA2OK from Spain. I´m a new owner of the Acom 1000 amplifier.

What is the normal value of the High Voltage at standby mode?

Mine shows 2688V with transformer wired for 230V (the AC input in my QTH is 218/222V)

Many thanks
Juanjo EA2OK

3728. RE: [acom-list] HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 07:54:11 UTC
From: Kees - pa7two
Topic: 3727 Message: 3728

Hi Juanjo,

My Acom is on average at about +/- 2750 volt. I was told by Acom that lower HV will result in more drive power needed and furthermore less RF output. 2688v is a bit on the low side to me. Stay under 2800 volt and you will be save.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: ea2ok.juanjo@...
Date: Thu, 16 Sep 2010 05:54:35 +0000
Subject: [acom-list] HV normal value

Hello, I?m Juanjo EA2OK from Spain. I?m a new owner of the Acom 1000 amplifier.

What is the normal value of the High Voltage at standby mode?

Mine shows 2688V with transformer wired for 230V (the AC input in my QTH is 218/222V)

Many thanks

Juanjo EA2OK

[Non-text portions of this message have been removed]

3729. Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 09:43:08 UTC
From: ea2ok
Topic: 3727 Message: 3729

Hi Kees and company

Initially the transformer input of my Acom 1000 was wired for 240V and so the HV value was 2576V. I got +/- 925W output power with an input of 65W.

After I changed the transformer input to 230V, the HV is up to 2688V and power is 1050W with an input of 65W. It may be a little more noisy.

I could go down transformer input to 220V, because in my QTH voltage is 220/222V, but I prefer to leave a safety margin.

Many thanks
Juanjo EA2OK

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Juanjo,
>
> My Acom is on average at about +/- 2750 volt. I was told by Acom that lower HV will result in more drive power needed and furthermore less RF output. 2688v is a bit on the low side to me. Stay under 2800 volt and you will be save.
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
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>
> To: acom-list@yahoogroups.com
> From: ea2ok.juanjo@...
> Date: Thu, 16 Sep 2010 05:54:35 +0000
> Subject: [acom-list] HV normal value
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> Hello, I´m Juanjo EA2OK from Spain. I´m a new owner of the Acom 1000 amplifier.
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> Mine shows 2688V with transformer wired for 230V (the AC input in my QTH is 218/222V)
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> Many thanks
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> Juanjo EA2OK
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> [Non-text portions of this message have been removed]
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3730. Re: [acom-list] Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 09:53:51 UTC
From: Fernando EC1CT
Topic: 3727 Message: 3730

Juanjo,
Leave it as it is...HV on your amp is ratherly conservative but components will be grateful to you in a long term basis. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: ea2ok
Sent: Thursday, September 16, 2010 11:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: HV normal value

Hi Kees and company

Initially the transformer input of my Acom 1000 was wired for 240V and so the HV value was 2576V. I got +/- 925W output power with an input of 65W.

After I changed the transformer input to 230V, the HV is up to 2688V and power is 1050W with an input of 65W. It may be a little more noisy.

I could go down transformer input to 220V, because in my QTH voltage is 220/222V, but I prefer to leave a safety margin.

Many thanks
Juanjo EA2OK

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Juanjo,
>
> My Acom is on average at about +/- 2750 volt. I was told by Acom that lower HV will result in more drive power needed and furthermore less RF output. 2688v is a bit on the low side to me. Stay under 2800 volt and you will be save.
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
>
> To: acom-list@yahoogroups.com
> From: ea2ok.juanjo@...
> Date: Thu, 16 Sep 2010 05:54:35 +0000
> Subject: [acom-list] HV normal value

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> [Non-text portions of this message have been removed]
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Se certificó que el correo entrante no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 9.0.851 / Base de datos de virus: 271.1.1/3137 - Fecha de la versión: 09/15/10 20:34:00

[Non-text portions of this message have been removed]

3731. RE: [acom-list] Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 10:11:30 UTC
From: Kees - pa7two
Topic: 3727 Message: 3731

Yes and no. If you want the 1000+ watt output as advertised, one will have to match the mains voltage to the correct transformer taps. If your mains is 220-220volt, set the taps in the amp to 220v too. You have a safety margin of 10% + and -15%. That leaves more enough headroom.

It is to be discussed if one should use 1000+ watt RF output from an only 800 watt dissipation able tube, yes... On the other hand, the tube should run pretty close to 60/40% effectiveness.

Personally I have mid range 2700 volts on the FP display which is perfectly normal according to Stanimir from Acom Bulgaria, as confirmed by email. And indeed, I never run my amps to the maximum anyway...

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: ec1ct@...
Date: Thu, 16 Sep 2010 11:53:51 +0200
Subject: Re: [acom-list] Re: HV normal value

Juanjo,

Leave it as it is...HV on your amp is ratherly conservative but components will be grateful to you in a long term basis. 73

Fernando EC1CT // KD0IGJ

E-Mail: ec1ct@esbesaya.com

KR DX Group

From: ea2ok

Sent: Thursday, September 16, 2010 11:43 AM

To: acom-list@yahoogroups.com

Subject: [acom-list] Re: HV normal value

Hi Kees and company

Initially the transformer input of my Acom 1000 was wired for 240V and so the HV value was 2576V. I got +/- 925W output power with an input of 65W.

After I changed the transformer input to 230V, the HV is up to 2688V and power is 1050W with an input of 65W. It may be a little more noisy.

I could go down transformer input to 220V, because in my QTH voltage is 220/222V, but I prefer to leave a safety margin.

Many thanks

Juanjo EA2OK

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Hi Juanjo,

>

> My Acom is on average at about +/- 2750 volt. I was told by Acom that lower HV will result in more drive power needed and furthermore less RF output. 2688v is a bit on the low side to me. Stay under 2800 volt and you will be save.

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

>

>

> To: acom-list@yahoogroups.com

> From: ea2ok.juanjo@...

> Date: Thu, 16 Sep 2010 05:54:35 +0000

> Subject: [acom-list] HV normal value

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> Hello, I?m Juanjo EA2OK from Spain. I?m a new owner of the Acom 1000 amplifier.

>

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>

> What is the normal value of the High Voltage at standby mode?

>

>

>

> Mine shows 2688V with transformer wired for 230V (the AC input in my QTH is 218/222V)

>

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> Many thanks

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> Juanjo EA2OK

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> [Non-text portions of this message have been removed]

>

Se certific? que el correo entrante no contiene virus.

Comprobada por AVG - www.avg.es

Versi?n: 9.0.851 / Base de datos de virus: 271.1.1/3137 - Fecha de la versi?n: 09/15/10 20:34:00

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3732. Re: [acom-list] Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 11:43:50 UTC
From: Mike Harris
Topic: 3727 Message: 3732

Are the HV voltages that have been reported in standby mode?

Regards,

Mike VP8NO

3733. RE: [acom-list] Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 11:50:08 UTC
From: Kees - pa7two
Topic: 3727 Message: 3733

Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out of tube specs)

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: mike.harris@...
Date: Thu, 16 Sep 2010 08:43:50 -0300
Subject: Re: [acom-list] Re: HV normal value

Are the HV voltages that have been reported in standby mode?

Regards,

Mike VP8NO

[Non-text portions of this message have been removed]

3734. Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 14:42:06 UTC
From: g4wjs
Topic: 3727 Message: 3734

--- In acom-list@yahoogroups.com, "ea2ok" <ea2ok.juanjo@...> wrote:
>
> Hi Kees and company
>
> Initially the transformer input of my Acom 1000 was wired for 240V and so the HV value was 2576V. I got +/- 925W output power with an input of 65W.
>
> After I changed the transformer input to 230V, the HV is up to 2688V and power is 1050W with an input of 65W. It may be a little more noisy.
>
> I could go down transformer input to 220V, because in my QTH voltage is 220/222V, but I prefer to leave a safety margin.

Hi Juanjo,

The heater filament voltage is probably the most critical one. Neither high nor low is good for it, so the best option is to measure your mains supply carefully over an extended period and select the correct transform tap without attempting to leave a margin either way.

>
> Many thanks
> Juanjo EA2OK
>
>
> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:
> >
> >
> > Hi Juanjo,
> >
> > My Acom is on average at about +/- 2750 volt. I was told by Acom that lower HV will result in more drive power needed and furthermore less RF output. 2688v is a bit on the low side to me. Stay under 2800 volt and you will be save.
> >
> >
> > Vy 73, de Kees.
> >
> > AmateurRadio : PA7TWO
> > - M5TWO Locator: JO22jp.

Regards & 73
Bill
G4WJS

3735. Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 14:54:03 UTC
From: Sonny
Topic: 3727 Message: 3735

Ml mains tests out to be between 244 to 248 volts. I was told that this was OK. My resting voltage on the 1000 is between 2800 to 2900. This bothers me but ACOM says its OK. I really do not know. I sure hope this not going to ruin my amp.

AB4VV....

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out of tube specs)
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
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>
> To: acom-list@yahoogroups.com
> From: mike.harris@...
> Date: Thu, 16 Sep 2010 08:43:50 -0300
> Subject: Re: [acom-list] Re: HV normal value
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> Are the HV voltages that have been reported in standby mode?
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> Regards,
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> Mike VP8NO
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> [Non-text portions of this message have been removed]
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3736. FW: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-16 15:52:20 UTC
From: Joel Kornreich
Topic: 3736 Message: 3736

---------- Forwarded message ----------
From: Joel Kornreich <k2qbv2@...>
Date: Thu, Sep 16, 2010 at 11:30 AM
Subject: Re: [acom-list] Re: HV normal value -- Mine is much higher
To: acom-list@yahoogroups.com

I basically had a problem like you have where my mains were coming in at 252 volts. Also had the "heater light" on the PSU go on at times. Acom and the owner both confirmed that this is OK as long as your 220 volt input board on the Acom 2000A is set correctly. If you reach the 258 volts, your Acom will let you know and at that time take action to correct the input fault which is pretty much your power company. Hope this helps you.... Joel, K2QBV

On Thu, Sep 16, 2010 at 10:54 AM, Sonny <nmbsun1@...m> wrote:

Ml mains tests out to be between 244 to 248 volts. I was told that this was OK. My resting voltage on the 1000 is between 2800 to 2900. This bothers me but ACOM says its OK. I really do not know. I sure hope this not going to ruin my amp.

AB4VV....

>
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[Non-text portions of this message have been removed]

3737. Re: [acom-list] Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 07:51:03 UTC
From: Martin Andrew
Topic: 3727 Message: 3737

Are all the figures quoted from the front panel meter or true measured values ?.
The front panel meter on the Acom 1000 (well mine) is not accurate, and even when set correctly does drift.

Martin, GM6VXB
----- Original Message -----
From: g4wjs
To: acom-list@yahoogroups.com
Sent: Thursday, September 16, 2010 2:42 PM
Subject: [acom-list] Re: HV normal value

--- In acom-list@yahoogroups.com, "ea2ok" <ea2ok.juanjo@...> wrote:
>
> Hi Kees and company
>
> Initially the transformer input of my Acom 1000 was wired for 240V and so the HV value was 2576V. I got +/- 925W output power with an input of 65W.
>
> After I changed the transformer input to 230V, the HV is up to 2688V and power is 1050W with an input of 65W. It may be a little more noisy.
>
> I could go down transformer input to 220V, because in my QTH voltage is 220/222V, but I prefer to leave a safety margin.

Hi Juanjo,

The heater filament voltage is probably the most critical one. Neither high nor low is good for it, so the best option is to measure your mains supply carefully over an extended period and select the correct transform tap without attempting to leave a margin either way.

>
> Many thanks
> Juanjo EA2OK
>
>
> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:
> >
> >
> > Hi Juanjo,
> >
> > My Acom is on average at about +/- 2750 volt. I was told by Acom that lower HV will result in more drive power needed and furthermore less RF output. 2688v is a bit on the low side to me. Stay under 2800 volt and you will be save.
> >
> >

> > Vy 73, de Kees.
> >
> > AmateurRadio : PA7TWO
> > - M5TWO Locator: JO22jp.

Regards & 73
Bill
G4WJS

[Non-text portions of this message have been removed]

3738. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 07:52:49 UTC
From: Kees - pa7two
Topic: 3727 Message: 3738

Hi AB4VV,

That's pretty high mains voltage and HV. Stupid Q perhaps, but you have set your transformertaps to 240v setting, correct?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: nmbsun1@...
Date: Thu, 16 Sep 2010 14:54:03 +0000
Subject: [acom-list] Re: HV normal value -- Mine is much higher

Ml mains tests out to be between 244 to 248 volts. I was told that this was OK. My resting voltage on the 1000 is between 2800 to 2900. This bothers me but ACOM says its OK. I really do not know. I sure hope this not going to ruin my amp.

AB4VV....

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out of tube specs)

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

>

>

> To: acom-list@yahoogroups.com

> From: mike.harris@...

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> Date: Thu, 16 Sep 2010 08:43:50 -0300
> Subject: Re: [acom-list] Re: HV normal value
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> Are the HV voltages that have been reported in standby mode?

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> Regards,

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> Mike VP8NO

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> [Non-text portions of this message have been removed]

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3739. Re: ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 08:30:33 UTC
From: stewart
Topic: 3716 Message: 3739

The ('normal type') RF relays in the 1010 don't support qsk either. The vacuum type in the 1000 do - this according to my pre-buying research 3 or 4 years ago.

73,

Stewart, GW0ETF

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Correct, but not only that. Beside the transformer, lots of other components are not capable of safely handling any higher output than 800 watts. An example are the relais used that switches the RF (normal type!!) and disc capacitors, coils etc.
>

3740. RE: [acom-list] Re: ACOM 1000 vs 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 08:49:58 UTC
From: Kees - pa7two
Topic: 3716 Message: 3740

Hi Steward,

QSK is supported but limited up to about 12wpm CW code. But you are right, one should not attempt to do QSK on these kinda relays.

It is however a terrific amp for portable usage, not something I can say about the Acom 1011...

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: gw0etf@...
Date: Fri, 17 Sep 2010 08:30:33 +0000
Subject: [acom-list] Re: ACOM 1000 vs 1010

The ('normal type') RF relays in the 1010 don't support qsk either. The vacuum type in the 1000 do - this according to my pre-buying research 3 or 4 years ago.

73,

Stewart, GW0ETF

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Correct, but not only that. Beside the transformer, lots of other components are not capable of safely handling any higher output than 800 watts. An example are the relays used that switches the RF (normal type!!) and disc capacitors, coils etc.

>

[Non-text portions of this message have been removed]

3741. Amplifier Location

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 10:59:40 UTC
From: ea2ok
Topic: 3741 Message: 3741

Hi to all!

The Acom 1000 manual says:

"No magnetic-field sensitive devices should be located next to the right side of the amplifier as its power transformer is located here. It´s best to position it to the right of your transceiver."

For me it´s better to have the trasceiver on the right side.....
I can have some kind of problem?

Tnx
Juanjo EA2OK

3742. Re: HV normal value

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 11:02:48 UTC
From: ea2ok
Topic: 3727 Message: 3742

Hi Martin, in my case measured in front panel meter.

73
Juanjo EA2OK

--- In acom-list@yahoogroups.com, "Martin Andrew" <martin.andrew@...> wrote:
>
> Are all the figures quoted from the front panel meter or true measured values ?.
> The front panel meter on the Acom 1000 (well mine) is not accurate, and even when set correctly does drift.
>
> Martin, GM6VXB
>

3743. Re: Amplifier Location

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 11:13:57 UTC
From: g4wjs
Topic: 3741 Message: 3743

--- In acom-list@yahoogroups.com, "ea2ok" <ea2ok.juanjo@...> wrote:
>
> Hi to all!

Hi Juanjo

>
> The Acom 1000 manual says:
>
> "No magnetic-field sensitive devices should be located next to the right side of the amplifier as its power transformer is located here. It´s best to position it to the right of your transceiver."

Very few items are sensitive to magnetic fields and the field around a well designed transformer is not very strong anyway. I would not site a magnetic compass or magnetometer near a transformer but other than than I can't think of any everyday item that is sensitive. After all we live in a fairly strong magnetic field ;-)

>
> For me it´s better to have the trasceiver on the right side.....
> I can have some kind of problem?

Very unlikely. If it were to cause a problem, it would be due to induced hum from the mains AC frequency - that is unlikely as transceivers are well screened because they often contain AC PSUs already.

>
> Tnx
> Juanjo EA2OK
>

YMMV
Regards & 73
Bill
G4WJS

3744. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 11:57:43 UTC
From: Bob Naumann
Topic: 3727 Message: 3744

In the United States, the commercial mains power providers are regulated to provide 240v +/- 10%. (216 to 264v)

So, 244 to 248 is about 1.6% to 3.3% above nominal.

This is not "pretty high" by any measure.

Sonny's amp is set to the 240v taps. Acom specs the 1000 at +10% / - 15% line voltage.

From the Acom 1000 Manual, page 6:

"Primary Power: 170-264V (200, 210, 220, 230, 240v nominal taps (100, 110, 120V taps on request), + 10% -15% tol.), 50-60Hz, single phase, 2200VA consumption at rated output".

So, there is no cause for any concern about any of the issues being discussed by anyone.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, September 17, 2010 2:53 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Hi AB4VV,

That's pretty high mains voltage and HV. Stupid Q perhaps, but you have set your transformertaps to 240v setting, correct?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: nmbsun1@...
Date: Thu, 16 Sep 2010 14:54:03 +0000
Subject: [acom-list] Re: HV normal value -- Mine is much higher

Ml mains tests out to be between 244 to 248 volts. I was told that this was OK. My resting voltage on the 1000 is between 2800 to 2900. This bothers me but ACOM says its OK. I really do not know. I sure hope this not

going to ruin my amp.

AB4VV....

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out
of tube specs)

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

>

>

> To: acom-list@yahoogroups.com

> From: mike.harris@...

> Date: Thu, 16 Sep 2010 08:43:50 -0300

> Subject: Re: [acom-list] Re: HV normal value

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> Are the HV voltages that have been reported in standby mode?

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> Regards,

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> Mike VP8NO

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Yahoo! Groups Links

3745. Magnetic Fields

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 12:09:27 UTC
From: Hal Kennedy
Topic: 3745 Message: 3745

The magnetic field from both my 2000As and an alpha 99 I had at one time (basically the same amp although the Bulgarian transformer is different than the Peter Dahl) would tear up a CRT monitor if it was within about 8 inches of the right hand side of the amps. There is a magnetic field outside the amp. In the good old days I had a Drake TR-7 with the remote VFO. If you put the rig or the remote VFO on top of the power supply, you got 597 RST reports on CW and hum reports on SSB. WRT external magnetic fields, nothing drastic ever happens, but things can happen.

Hal N4GG

3746. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 12:49:21 UTC
From: Kees - pa7two
Topic: 3727 Message: 3746

Hi Bob,

+2800HV for a GU74B tube is 'pretty high'. Because it is beyond its tube specs.

Furthermore Stanimir from Acom Bulgaria adviced me to keep the HV in the range of 2700-2800 volts. So, I wonder why you stated that +2800v is considered to be 'normal' actually?

Both my Acom 1000 units and Acom 1010 were factory set to 230v. In case of a mains with 244 to 248 volt, I personally would switch to the 240v tap setting. It is extremely easy to do in an Acom 1000. That setting ensures the components are less stressed.

Sure that the Acom1000 temporary (fieldday etc) will cope with +10 / -15% conditions, that does not tell us that that these are the advised voltage settings. Adviced is to equal the mains with the transformer taps instead.

Note: the above is based on emails exchanges with Stanimir and GU74B tube specifications.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 17 Sep 2010 06:57:43 -0500
Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

In the United States, the commercial mains power providers are regulated to

provide 240v +/- 10%. (216 to 264v)

So, 244 to 248 is about 1.6% to 3.3% above nominal.

This is not "pretty high" by any measure.

Sonny's amp is set to the 240v taps. Acom specs the 1000 at +10% / - 15%

line voltage.

From the Acom 1000 Manual, page 6:

"Primary Power: 170-264V (200, 210, 220, 230, 240v nominal taps (100, 110,

120V taps on request), + 10% -15% tol.), 50-60Hz, single phase, 2200VA

consumption at rated output".

So, there is no cause for any concern about any of the issues being

discussed by anyone.

73,

Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of Kees - pa7two

Sent: Friday, September 17, 2010 2:53 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Hi AB4VV,

That's pretty high mains voltage and HV. Stupid Q perhaps, but you have set

your transformertaps to 240v setting, correct?

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: nmbsun1@...

Date: Thu, 16 Sep 2010 14:54:03 +0000

Subject: [acom-list] Re: HV normal value -- Mine is much higher

Ml mains tests out to be between 244 to 248 volts. I was told that

this was OK. My resting voltage on the 1000 is between 2800 to 2900. This

bothers me but ACOM says its OK. I really do not know. I sure hope this not

going to ruin my amp.

AB4VV....

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out

of tube specs)

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

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> To: acom-list@yahoogroups.com

> From: mike.harris@...

> Date: Thu, 16 Sep 2010 08:43:50 -0300

> Subject: Re: [acom-list] Re: HV normal value

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> Are the HV voltages that have been reported in standby mode?

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> Regards,

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> Mike VP8NO

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Yahoo! Groups Links

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3747. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 14:20:06 UTC
From: Bob Naumann
Topic: 3727 Message: 3747

Kees,

My comments were focused on the line voltage in the United States, and the published specs for the Acom 1000 related to line voltage. Every amplifier sold in the United States is shipped with the tap set to 240v - the highest tap. And again, the Acom line voltage specs call for +10% -15%.

I would guess that Stan told you to set the tap to prevent you from making the plate voltage too high. Abuse like this happens all the time. Someone will get the idea that if they have 220v and set the tap to 200v they'll be able to run more power output. They could do this, but then it will clearly exceed the specifications and shorten the life of the amplifier.

I made no comment on the Plate voltage.

I suspect that the actual plate voltage on the tube under load is within spec and I further suspect that Acom may have measured what voltage is actually on the tube when they designed the amplifier and took the tubes' requirements fully into account.

From Acom:

"ACOM products are designed so they meet all specifications... No one of tube's parametres is exceed. It's prooved with thousands manufactured and sold amplifiers"(sic).

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, September 17, 2010 7:49 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Hi Bob,

+2800HV for a GU74B tube is 'pretty high'. Because it is beyond its tube specs.

Furthermore Stanimir from Acom Bulgaria adviced me to keep the HV in the range of 2700-2800 volts. So, I wonder why you stated that +2800v is considered to be 'normal' actually?

Both my Acom 1000 units and Acom 1010 were factory set to 230v. In case of a mains with 244 to 248 volt, I personally would switch to the 240v tap setting. It is extremely easy to do in an Acom 1000. That setting ensures the components are less stressed.

Sure that the Acom1000 temporary (fieldday etc) will cope with +10 / -15% conditions, that does not tell us that that these are the advised voltage settings. Adviced is to equal the mains with the transformer taps instead.

Note: the above is based on emails exchanges with Stanimir and GU74B tube specifications.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 17 Sep 2010 06:57:43 -0500
Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

In the United States, the commercial mains power providers are regulated to

provide 240v +/- 10%. (216 to 264v)

So, 244 to 248 is about 1.6% to 3.3% above nominal.

This is not "pretty high" by any measure.

Sonny's amp is set to the 240v taps. Acom specs the 1000 at +10% / - 15%

line voltage.

From the Acom 1000 Manual, page 6:

"Primary Power: 170-264V (200, 210, 220, 230, 240v nominal taps (100, 110,

120V taps on request), + 10% -15% tol.), 50-60Hz, single phase, 2200VA

consumption at rated output".

So, there is no cause for any concern about any of the issues being

discussed by anyone.

73,

Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of Kees - pa7two

Sent: Friday, September 17, 2010 2:53 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Hi AB4VV,

That's pretty high mains voltage and HV. Stupid Q perhaps, but you have set your transformertaps to 240v setting, correct?

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: nmbsun1@...

Date: Thu, 16 Sep 2010 14:54:03 +0000

Subject: [acom-list] Re: HV normal value -- Mine is much higher

Ml mains tests out to be between 244 to 248 volts. I was told that this was OK. My resting voltage on the 1000 is between 2800 to 2900. This bothers me but ACOM says its OK. I really do not know. I sure hope this not going to ruin my amp.

AB4VV....

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

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> Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out of tube specs)

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

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> To: acom-list@yahoogroups.com

> From: mike.harris@...

> Date: Thu, 16 Sep 2010 08:43:50 -0300

> Subject: Re: [acom-list] Re: HV normal value

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> Mike VP8NO

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Yahoo! Groups Links

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Yahoo! Groups Links

3748. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 18:55:19 UTC
From: Kees - pa7two
Topic: 3727 Message: 3748

Hi Bob,

All understood. Yes, I have repaired in the past years an Acom amp or two (...) and have been in contact with Stan quite extensively I can say :-)

I was questioning you because the mains voltage & transformer-tap setting directly translates to the HV value.

So to recap, I think we both agree that one should equal the mains voltage to the transformer tap setting and the Acom unit will be absolutely fine. From a more personal point of view, try to keep the HV below 2800 volt.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 17 Sep 2010 09:20:06 -0500
Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Kees,

My comments were focused on the line voltage in the United States, and the

published specs for the Acom 1000 related to line voltage. Every amplifier

sold in the United States is shipped with the tap set to 240v - the highest

tap. And again, the Acom line voltage specs call for +10% -15%.

I would guess that Stan told you to set the tap to prevent you from making

the plate voltage too high. Abuse like this happens all the time. Someone

will get the idea that if they have 220v and set the tap to 200v they'll be

able to run more power output. They could do this, but then it will clearly

exceed the specifications and shorten the life of the amplifier.

I made no comment on the Plate voltage.

I suspect that the actual plate voltage on the tube under load is within

spec and I further suspect that Acom may have measured what voltage is

actually on the tube when they designed the amplifier and took the tubes'

requirements fully into account.

From Acom:

"ACOM products are designed so they meet all specifications... No one of tube's parametres is exceed. It's prooved with thousands manufactured and sold amplifiers"(sic).

73,

Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two

Sent: Friday, September 17, 2010 7:49 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Hi Bob,

+2800HV for a GU74B tube is 'pretty high'. Because it is beyond its tube specs.

Furthermore Stanimir from Acom Bulgaria adviced me to keep the HV in the range of 2700-2800 volts. So, I wonder why you stated that +2800v is considered to be 'normal' actually?

Both my Acom 1000 units and Acom 1010 were factory set to 230v. In case of a mains with 244 to 248 volt, I personally would switch to the 240v tap setting. It is extremely easy to do in an Acom 1000. That setting ensures the components are less stressed.

Sure that the Acom1000 temporary (fieldday etc) will cope with +10 / -15% conditions, that does not tell us that that these are the advised voltage settings. Adviced is to equal the mains with the transformer taps instead.

Note: the above is based on emails exchanges with Stanimir and GU74B tube specifications.

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: W5OV@w5ov.com

Date: Fri, 17 Sep 2010 06:57:43 -0500

Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

In the United States, the commercial mains power providers are

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provide 240v +/- 10%. (216 to 264v)

So, 244 to 248 is about 1.6% to 3.3% above nominal.

This is not "pretty high" by any measure.

Sonny's amp is set to the 240v taps. Acom specs the 1000 at +10% / - 15%

line voltage.

From the Acom 1000 Manual, page 6:

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consumption at rated output".

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Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of Kees - pa7two

Sent: Friday, September 17, 2010 2:53 AM

To: ACOM Reflector site

Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

Hi AB4VV,

That's pretty high mains voltage and HV. Stupid Q perhaps, but you have set your transformertaps to 240v setting, correct?

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: nmbsun1@...

Date: Thu, 16 Sep 2010 14:54:03 +0000

Subject: [acom-list] Re: HV normal value -- Mine is much higher

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--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

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> Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out of tube specs)

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> AmateurRadio : PA7TWO

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Yahoo! Groups Links

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Yahoo! Groups Links

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3749. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 19:37:21 UTC
From: Joel Kornreich
Topic: 3727 Message: 3749

You have done the same thing you have done on the Yaesu 2000 site.....Let it drop already...

> To: acom-list@yahoogroups.com
> From: pa7two@...
> Date: Fri, 17 Sep 2010 18:55:19 +0000
> Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher
>
>
> Hi Bob,
>
> All understood. Yes, I have repaired in the past years an Acom amp or two (...) and have been in contact with Stan quite extensively I can say :-)
>
> I was questioning you because the mains voltage & transformer-tap setting directly translates to the HV value.
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> So to recap, I think we both agree that one should equal the mains voltage to the transformer tap setting and the Acom unit will be absolutely fine. From a more personal point of view, try to keep the HV below 2800 volt.
>
>
> Vy 73, de Kees.
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> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
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> To: acom-list@yahoogroups.com
> From: W5OV@...
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> I would guess that Stan told you to set the tap to prevent you from making
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> the plate voltage too high. Abuse like this happens all the time. Someone
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> 73,
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> Bob W5OV
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> Array Solutions
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
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> Of Kees - pa7two
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> Sent: Friday, September 17, 2010 7:49 AM
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> To: ACOM Reflector site
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> Hi Bob,
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> AmateurRadio : PA7TWO
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> - M5TWO Locator: JO22jp.
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> Bob W5OV
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> Array Solutions
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> -----Original Message-----
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
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> Of Kees - pa7two
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> Sent: Friday, September 17, 2010 2:53 AM
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> To: ACOM Reflector site
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> AmateurRadio : PA7TWO
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> - M5TWO Locator: JO22jp.
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> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
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> > Subject: Re: [acom-list] Re: HV normal value
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3750. RE: [acom-list] Re: HV normal value -- Mine is much higher

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-17 20:28:30 UTC
From: Kees - pa7two
Topic: 3727 Message: 3750

Joel, CAREFULLY read below the section: "Healthy Tube Regime Parameters ACOM 1000".

Protection parameters ACOM
1000

1. Cooling and exhaust air temperature. On switch-on, the fan speeds

up for a moment in order to easily get started if mains voltage is

lowered. After that, the fan speed is controlled as follows:

- while in OPERATE, it speeds up when exh. air temperature increases

above 90C (194F). It slows down when temp. falls below 80C (176F).

At 130C (266F) you'll get a warning message (still operating). Above

150C (302F) it will go to STBY.

- while in STBY, fan speeds up above 100C (212F) and slows down

below 70C (158F). It will shut down above 165C (329F) but the fan

will continue running with a "still cooling tube" message, until

temp. drops below 70C (158F).

2. Reflected power above 300W: go to STBY.

3. Screen grid current above 80mA or control grid current above

10mA: go to STBY (but you can't measure the control grid current by

the RCU).

4. Plate current:

- above 700mA: warning message on the LCD;

- above 800mA for 4s: go to STBY;

- above 1.2A: immediately OFF.

5. HV below 1800V or above 3300V: OFF (Bad mains input voltage or HV

rectifier problem assumption).

6. Drive power:

- above 90W: warning message on the LCD;

- above 120W: go to STBY.

7. Power gain below 9.5dB and above 16dB: set the input attenuator (bad tuning is assumptive).

8. Arc fault: check the RF path to the antenna as well as the antenna itself for bad connections or insulation.

9. Hot Switching: check control cables to the transceiver or transceiver's RF-to-transmit request timing.

10. Low air: check whether the air inlet and exhaust openings are not obstructed, or check the blower itself.

Healthy Tube Regime Parameters ACOM 1000

During RX: +2750...2770V anode voltage; SG voltage +340V for operate and +12V for standby; Bias voltage -120V; Anode current below 1mA.

With PTT only: +2700V anode and same SG voltages; Bias voltage between -65 and -75V, set for a 70mA low-level anode idling current, depending on the tube specimen.

With PTT and very small RF drive: +2600V anode voltage, same SG voltage; Bias voltage between -45 and -60V, set for a 220mA high-level anode idling current, depending on the tube specimen.

During TX, 1000W (external wattmeter) @ 14MHz: +2380...2400V DC anode voltage, same SG voltage, and 510-520mA DC anode current. The SG current depends on the tube specimen but is usually between 10 and 20mA. The RF anode amplitude (as measured on the LCD) must be 150-200V below the measured DC anode voltage.

On higher bands, the anode current gradually increases up to 560-580mA on 52MHz and the DC anode voltage is around 2350V at the same time (provided the mains is not "soft").

The power gain on 14MHz is 12...12,5dB up to 900-950W and it slightly decreases (-0,5dB) to 1000W. On the higher bands, the power gain might increase to about +1dB.

When ACOM1000 is normally loaded and tuned, the screen current is

typically zero below 35-40W drive power and it begins to flow above

40W drive. Further increasing the drive, the screen current steeply

increases, saturating to about 55-60mA at a 70-75W drive level. A

current limiter is involved at this threshold.

The screen current might not appear if the plate loading resistance

is too low, thus the anode instant voltage not reaching a low-enough

value to approach the SG voltage for a higher SG current.

Any more comments Joel?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: k2qbv@...
Date: Fri, 17 Sep 2010 15:37:21 -0400
Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

You have done the same thing you have done on the Yaesu 2000 site.....Let it drop already...

> To: acom-list@yahoogroups.com

> From: pa7two@hotmail.com

> Date: Fri, 17 Sep 2010 18:55:19 +0000

> Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

>

>

> Hi Bob,

>

> All understood. Yes, I have repaired in the past years an Acom amp or two (...) and have been in contact with Stan quite extensively I can say :-)

>

> I was questioning you because the mains voltage & transformer-tap setting directly translates to the HV value.

>

> So to recap, I think we both agree that one should equal the mains voltage to the transformer tap setting and the Acom unit will be absolutely fine. From a more personal point of view, try to keep the HV below 2800 volt.

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

>

>

> To: acom-list@yahoogroups.com

> From: W5OV@...

> Date: Fri, 17 Sep 2010 09:20:06 -0500

> Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

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> Kees,

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> My comments were focused on the line voltage in the United States, and the

>

> published specs for the Acom 1000 related to line voltage. Every amplifier

>

> sold in the United States is shipped with the tap set to 240v - the highest

>

> tap. And again, the Acom line voltage specs call for +10% -15%.

>

>

>

> I would guess that Stan told you to set the tap to prevent you from making

>

> the plate voltage too high. Abuse like this happens all the time. Someone

>

> will get the idea that if they have 220v and set the tap to 200v they'll be

>

> able to run more power output. They could do this, but then it will clearly

>

> exceed the specifications and shorten the life of the amplifier.

>

>

>

> I made no comment on the Plate voltage.

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>

> I suspect that the actual plate voltage on the tube under load is within

>

> spec and I further suspect that Acom may have measured what voltage is

>

> actually on the tube when they designed the amplifier and took the tubes'

>

> requirements fully into account.

>

>

>

> From Acom:

>

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>

> "ACOM products are designed so they meet all specifications... No one of

>

> tube's parametres is exceed. It's prooved with thousands manufactured and

>

> sold amplifiers"(sic).

>

>

>

> 73,

>

>

>

> Bob W5OV

>

> Array Solutions

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> -----Original Message-----

>

> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

>

> Of Kees - pa7two

>

> Sent: Friday, September 17, 2010 7:49 AM

>

> To: ACOM Reflector site

>

> Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

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>

> Hi Bob,

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>

> +2800HV for a GU74B tube is 'pretty high'. Because it is beyond its tube

>

> specs.

>

>

>

> Furthermore Stanimir from Acom Bulgaria adviced me to keep the HV in the

>

> range of 2700-2800 volts. So, I wonder why you stated that +2800v is

>

> considered to be 'normal' actually?

>

>

>

> Both my Acom 1000 units and Acom 1010 were factory set to 230v. In case of a

>

> mains with 244 to 248 volt, I personally would switch to the 240v tap

>

> setting. It is extremely easy to do in an Acom 1000. That setting ensures

>

> the components are less stressed.

>

>

>

> Sure that the Acom1000 temporary (fieldday etc) will cope with +10 / -15%

>

> conditions, that does not tell us that that these are the advised voltage

>

> settings. Adviced is to equal the mains with the transformer taps instead.

>

>

>

> Note: the above is based on emails exchanges with Stanimir and GU74B tube

>

> specifications.

>

>

>

> Vy 73, de Kees.

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> AmateurRadio : PA7TWO

>

> - M5TWO Locator: JO22jp.

>

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>

> To: acom-list@yahoogroups.com

>

> From: W5OV@...

>

> Date: Fri, 17 Sep 2010 06:57:43 -0500

>

> Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

>

>

>

> In the United States, the commercial mains power providers are

>

> regulated to

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>

> provide 240v +/- 10%. (216 to 264v)

>

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>

> So, 244 to 248 is about 1.6% to 3.3% above nominal.

>

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>

> This is not "pretty high" by any measure.

>

>

>

> Sonny's amp is set to the 240v taps. Acom specs the 1000 at +10% / - 15%

>

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>

> line voltage.

>

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>

> From the Acom 1000 Manual, page 6:

>

>

>

> "Primary Power: 170-264V (200, 210, 220, 230, 240v nominal taps (100, 110,

>

>

>

> 120V taps on request), + 10% -15% tol.), 50-60Hz, single phase, 2200VA

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> consumption at rated output".

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> So, there is no cause for any concern about any of the issues being

>

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> discussed by anyone.

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> 73,

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> Bob W5OV

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> Array Solutions

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> -----Original Message-----

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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

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> Of Kees - pa7two

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>

> Sent: Friday, September 17, 2010 2:53 AM

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> To: ACOM Reflector site

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>

> Subject: RE: [acom-list] Re: HV normal value -- Mine is much higher

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>

>

> Hi AB4VV,

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>

>

> That's pretty high mains voltage and HV. Stupid Q perhaps, but you have set

>

>

>

> your transformertaps to 240v setting, correct?

>

>

>

> Vy 73, de Kees.

>

>

>

> AmateurRadio : PA7TWO

>

>

>

> - M5TWO Locator: JO22jp.

>

>

> To: acom-list@yahoogroups.com

> From: nmbsun1@yahoo.com

> Date: Thu, 16 Sep 2010 14:54:03 +0000

> Subject: [acom-list] Re: HV normal value -- Mine is much higher

> Ml mains tests out to be between 244 to 248 volts. I was told that

> this was OK. My resting voltage on the 1000 is between 2800 to 2900. This

> bothers me but ACOM says its OK. I really do not know. I sure hope this not

> going to ruin my amp.

>

>

>

> AB4VV....

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>

> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

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> > Yeah. Otherwise it would be really bad if that wasn't the case :-) (Out

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> of tube specs)

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> > Vy 73, de Kees.

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> > AmateurRadio : PA7TWO

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> > - M5TWO Locator: JO22jp.

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> > To: acom-list@yahoogroups.com

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> > From: mike.harris@...

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> > Date: Thu, 16 Sep 2010 08:43:50 -0300

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> > Subject: Re: [acom-list] Re: HV normal value

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> > Are the HV voltages that have been reported in standby mode?

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> > Regards,

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> > Mike VP8NO

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3751. I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 14:28:23 UTC
From: Sonny
Topic: 3751 Message: 3751

After talking to Bob at Array Solutions he assured me that my high voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me when I asked them about the high voltage and 2+2 does not come out to 4.

Last night I turned on the amp but did not measure the voltage out of my 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
When I turned the amp off for the day I measured the voltage on the mains and I was getting a reading of 243 Volts. It was a cool night and no need for the central air to be running. When the central air is on my 240 mains read about 248 volts and the ACOM shows about 2800 volts.

THIS DOES NOT MAKE SENSE TO ME......

Does anyone have any answer that makes sense? I dont know about the rest of you people but 3250 is a lot of money to come out of my life savings to worry about something that does not make sense....

Sonny....AB4VV....

3752. Re: [acom-list] I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 14:59:55 UTC
From: Jim Cox
Topic: 3751 Message: 3752

Quit worring about it and operate. 2800 volts isnt going to hurt anything.

Jim K4JAF

----- Original Message -----
From: Sonny
To: acom-list@yahoogroups.com
Sent: Sunday, September 19, 2010 9:28 AM
Subject: [acom-list] I just dont know anymore!

After talking to Bob at Array Solutions he assured me that my high voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me when I asked them about the high voltage and 2+2 does not come out to 4.

Last night I turned on the amp but did not measure the voltage out of my 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
When I turned the amp off for the day I measured the voltage on the mains and I was getting a reading of 243 Volts. It was a cool night and no need for the central air to be running. When the central air is on my 240 mains read about 248 volts and the ACOM shows about 2800 volts.

THIS DOES NOT MAKE SENSE TO ME......

Does anyone have any answer that makes sense? I dont know about the rest of you people but 3250 is a lot of money to come out of my life savings to worry about something that does not make sense....

Sonny....AB4VV....

[Non-text portions of this message have been removed]

3753. Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 15:40:15 UTC
From: bobhzv
Topic: 3751 Message: 3753

I agree. My 1000 usually runs around 2850 - 2900 and it's fine. Electricity supply voltage isn't an exact science, so don't worry.

Bob

--- In acom-list@yahoogroups.com, "Jim Cox" <jcox123@...> wrote:
>
> Quit worring about it and operate. 2800 volts isnt going to hurt anything.
>
> Jim K4JAF
>
>
> ----- Original Message -----
> From: Sonny
> To: acom-list@yahoogroups.com
> Sent: Sunday, September 19, 2010 9:28 AM
> Subject: [acom-list] I just dont know anymore!
>
>
>
> After talking to Bob at Array Solutions he assured me that my high voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me when I asked them about the high voltage and 2+2 does not come out to 4.
>
> Last night I turned on the amp but did not measure the voltage out of my 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
> When I turned the amp off for the day I measured the voltage on the mains and I was getting a reading of 243 Volts. It was a cool night and no need for the central air to be running. When the central air is on my 240 mains read about 248 volts and the ACOM shows about 2800 volts.
>
> THIS DOES NOT MAKE SENSE TO ME......
>
> Does anyone have any answer that makes sense? I dont know about the rest of you people but 3250 is a lot of money to come out of my life savings to worry about something that does not make sense....
>
> Sonny....AB4VV....
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> [Non-text portions of this message have been removed]
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3754. Re: [acom-list] Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 16:03:55 UTC
From: Tadej Arcon
Topic: 3751 Message: 3754

Hi Group!

I saw home made amps with a pair of gu74b running at almost 4kV. I have the winning Alpha 91b, which I run it a bit over 3kV. Solid performer and no fault in 8 year of heavy contesting.

73s Tadej S52X

2010/9/19 bobhzv <bob.g4hzv@...>

>
>
> I agree. My 1000 usually runs around 2850 - 2900 and it's fine. Electricity
> supply voltage isn't an exact science, so don't worry.
>
> Bob
>
>
> --- In acom-list@yahoogroups.com <acom-list%40yahoogroups.com>, "Jim Cox"
> <jcox123@...> wrote:
> >
> > Quit worring about it and operate. 2800 volts isnt going to hurt
> anything.
> >
> > Jim K4JAF
> >
> >
> > ----- Original Message -----
> > From: Sonny
> > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > Sent: Sunday, September 19, 2010 9:28 AM
> > Subject: [acom-list] I just dont know anymore!
> >
> >
> >
> > After talking to Bob at Array Solutions he assured me that my high
> voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me when I
> asked them about the high voltage and 2+2 does not come out to 4.
> >
> > Last night I turned on the amp but did not measure the voltage out of my
> 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
> > When I turned the amp off for the day I measured the voltage on the mains
> and I was getting a reading of 243 Volts. It was a cool night and no need
> for the central air to be running. When the central air is on my 240 mains
> read about 248 volts and the ACOM shows about 2800 volts.
> >

> > THIS DOES NOT MAKE SENSE TO ME......
> >
> > Does anyone have any answer that makes sense? I dont know about the rest
> of you people but 3250 is a lot of money to come out of my life savings to
> worry about something that does not make sense....
> >
> > Sonny....AB4VV....
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Tadej Arcon

[Non-text portions of this message have been removed]

3755. RE: [acom-list] Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 16:23:12 UTC
From: Kees - pa7two
Topic: 3751 Message: 3755

4KV under load conditions?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

> To: acom-list@yahoogroups.com
> From: tadej.arcon@...
> Date: Sun, 19 Sep 2010 18:03:55 +0200
> Subject: Re: [acom-list] Re: I just dont know anymore!
>
> Hi Group!
>
> I saw home made amps with a pair of gu74b running at almost 4kV. I have the
> winning Alpha 91b, which I run it a bit over 3kV. Solid performer and no
> fault in 8 year of heavy contesting.
>
> 73s Tadej S52X
>
> 2010/9/19 bobhzv <bob.g4hzv@...>
>
> >
> >
> > I agree. My 1000 usually runs around 2850 - 2900 and it's fine. Electricity
> > supply voltage isn't an exact science, so don't worry.
> >
> > Bob
> >
> >
> > --- In acom-list@yahoogroups.com <acom-list%40yahoogroups.com>, "Jim Cox"
> > <jcox123@...> wrote:
> > >
> > > Quit worring about it and operate. 2800 volts isnt going to hurt
> > anything.
> > >
> > > Jim K4JAF
> > >
> > >
> > > ----- Original Message -----
> > > From: Sonny
> > > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > > Sent: Sunday, September 19, 2010 9:28 AM
> > > Subject: [acom-list] I just dont know anymore!
> > >
> > >

> > >
> > > After talking to Bob at Array Solutions he assured me that my high
> > voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me when I
> > asked them about the high voltage and 2+2 does not come out to 4.
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> > > Last night I turned on the amp but did not measure the voltage out of my
> > 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
> > > When I turned the amp off for the day I measured the voltage on the mains
> > and I was getting a reading of 243 Volts. It was a cool night and no need
> > for the central air to be running. When the central air is on my 240 mains
> > read about 248 volts and the ACOM shows about 2800 volts.
> > >
> > > THIS DOES NOT MAKE SENSE TO ME......
> > >
> > > Does anyone have any answer that makes sense? I dont know about the rest
> > of you people but 3250 is a lot of money to come out of my life savings to
> > worry about something that does not make sense....
> > >
> > > Sonny....AB4VV....
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> > > [Non-text portions of this message have been removed]
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> Tadej Arcon
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

3756. Re: [acom-list] Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 16:50:42 UTC
From: Tadej Arcon
Topic: 3751 Message: 3756

Hi,

4kV no load!

73s Tadej S52X

2010/9/19 Kees - pa7two <pa7two@hotmail.com>

>
>
>
> 4KV under load conditions?
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
> > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > From: tadej.arcon@... <tadej.arcon%40gmail.com>
> > Date: Sun, 19 Sep 2010 18:03:55 +0200
> > Subject: Re: [acom-list] Re: I just dont know anymore!
>
> >
> > Hi Group!
> >
> > I saw home made amps with a pair of gu74b running at almost 4kV. I have
> the
> > winning Alpha 91b, which I run it a bit over 3kV. Solid performer and no
> > fault in 8 year of heavy contesting.
> >
> > 73s Tadej S52X
> >
> > 2010/9/19 bobhzv <bob.g4hzv@... <bob.g4hzv%40gmail.com>>
> >
> > >
> > >
> > > I agree. My 1000 usually runs around 2850 - 2900 and it's fine.
> Electricity
> > > supply voltage isn't an exact science, so don't worry.
> > >
> > > Bob
> > >
> > >
> > > --- In acom-list@yahoogroups.com <acom-list%40yahoogroups.com><acom-list%
> 40yahoogroups.com>, "Jim Cox"

>
> > > <jcox123@...> wrote:
> > > >
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> > > > Jim K4JAF
> > > >
> > > >
> > > > ----- Original Message -----
> > > > From: Sonny
> > > > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com><acom-list%
> 40yahoogroups.com>
> > > > Sent: Sunday, September 19, 2010 9:28 AM
> > > > Subject: [acom-list] I just dont know anymore!
> > > >
> > > >
> > > >
> > > > After talking to Bob at Array Solutions he assured me that my high
> > > voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me
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> > > asked them about the high voltage and 2+2 does not come out to 4.
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> > > > Last night I turned on the amp but did not measure the voltage out of
> my
> > > 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
> > > > When I turned the amp off for the day I measured the voltage on the
> mains
> > > and I was getting a reading of 243 Volts. It was a cool night and no
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> > > for the central air to be running. When the central air is on my 240
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> > > worry about something that does not make sense....
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> > > > Sonny....AB4VV....
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> > > > [Non-text portions of this message have been removed]
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> > --
> > Tadej Arcon
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> > Yahoo! Groups Links
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Tadej Arcon

[Non-text portions of this message have been removed]

3757. RE: [acom-list] Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-19 17:24:10 UTC
From: Kees - pa7two
Topic: 3751 Message: 3757

Ahhh. Thanks for clarification.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

> To: acom-list@yahoogroups.com
> From: tadej.arcon@...
> Date: Sun, 19 Sep 2010 18:50:42 +0200
> Subject: Re: [acom-list] Re: I just dont know anymore!
>
> Hi,
>
> 4kV no load!
>
> 73s Tadej S52X
>
> 2010/9/19 Kees - pa7two <pa7two@...>
>
> >
> >
> >
> > 4KV under load conditions?
> >
> > Vy 73, de Kees.
> >
> > AmateurRadio : PA7TWO
> > - M5TWO Locator: JO22jp.
> >
> > > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > > From: tadej.arcon@... <tadej.arcon%40gmail.com>
> > > Date: Sun, 19 Sep 2010 18:03:55 +0200
> > > Subject: Re: [acom-list] Re: I just dont know anymore!
> > >
> > >
> > > Hi Group!
> > >
> > > I saw home made amps with a pair of gu74b running at almost 4kV. I have
> > the
> > > winning Alpha 91b, which I run it a bit over 3kV. Solid performer and no
> > > fault in 8 year of heavy contesting.
> > >
> > > 73s Tadej S52X
> > >
> > > 2010/9/19 bobhzv <bob.g4hzv@... <bob.g4hzv%40gmail.com>>

> > >
> > > >
> > > >
> > > > I agree. My 1000 usually runs around 2850 - 2900 and it's fine.
> > Electricity
> > > > supply voltage isn't an exact science, so don't worry.
> > > >
> > > > Bob
> > > >
> > > >
> > > > --- In acom-list@yahoogroups.com <acom-list%40yahoogroups.com><acom-list%
> > 40yahoogroups.com>, "Jim Cox"
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> > > > <jcox123@...> wrote:
> > > > >
> > > > > Quit worring about it and operate. 2800 volts isnt going to hurt
> > > > anything.
> > > > > >
> > > > > Jim K4JAF
> > > > >
> > > > >
> > > > > ----- Original Message -----
> > > > > From: Sonny
> > > > > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com><acom-list%
> > 40yahoogroups.com>
> > > > > Sent: Sunday, September 19, 2010 9:28 AM
> > > > > Subject: [acom-list] I just dont know anymore!
> > > > >
> > > > >
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> > > > >
> > > > > After talking to Bob at Array Solutions he assured me that my high
> > > > voltage is OK on my ACOM 1000. Yet I read the specs that ACOM sent me
> > when I
> > > > asked them about the high voltage and 2+2 does not come out to 4.
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> > > > > Last night I turned on the amp but did not measure the voltage out of
> > my
> > > > 240 volt mains. On the ACOM all night it measured 2900 to 2950 volts.
> > > > > When I turned the amp off for the day I measured the voltage on the
> > mains
> > > > and I was getting a reading of 243 Volts. It was a cool night and no
> > need
> > > > for the central air to be running. When the central air is on my 240
> > mains
> > > > read about 248 volts and the ACOM shows about 2800 volts.
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> > > > > THIS DOES NOT MAKE SENSE TO ME......
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> > > > > Does anyone have any answer that makes sense? I dont know about the
> > rest

> > > > of you people but 3250 is a lot of money to come out of my life savings
> > to
> > > > worry about something that does not make sense....
> > > > >
> > > > > Sonny....AB4VV....
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> > > > Tadej Arcon
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> > Tadej Arcon
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

3758. Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-20 16:30:04 UTC
From: Andrey
Topic: 3751 Message: 3758

The GU74b / 4CX800A tubes will take higher plate voltage - these tubes are very rugged and a few hundred volts more on the plate probably will not cause any problems (The *peak* anode voltage listed in the datasheet is 4kV).
The real problem with higher AC mains voltage is that it results in higher filament voltage.
In the ACOM 1000 (as in most tube amps) there is no regulation for the cathode heater (filament) voltage - a single GU74b tube pulls almost 4A (3.6A to be exact) @ 12.6V.
Voltage regulation in the heater circuit will make the amplifier even bigger, heavier and more expensive.
Most tube amps heat the cathode with AC, directly from a separate secondary winding in the power transformer. Some amps are equipped with a separate filament transformer (not the case with ACOM1000).
When the AC mains are higher than the nominal, this translates directly into higher filament voltage.
According to an EIMAC study: " A 3% increase in filament voltage above the maximum rating will result in a 50% decrease in tube life."
These tubes are not made by EIMAC but probably will follow similar principals.
The absolute maximum filament voltage for GU74b is 13.2V (nominal is 12.6V) but there is no monitoring circuit.
There is a little cover on the bottom of ACOM1000 which will give you access to the tube's socket compartment. You could check (with caution!!!) with an AC voltmeter (True RMS type), what is the filament voltage right at the socket (H1/H2), when your AC mains are at their highest voltage. If you get reading less than 13.3V you should be OK.
If it is more than 13.3V and you are also set at your highest voltage tap on the power transformer, then you are risking the tube's life-span.

Hope this helps.

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Ahhh. Thanks for clarification.
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
>
> > To: acom-list@yahoogroups.com
> > From: tadej.arcon@...

> > Date: Sun, 19 Sep 2010 18:50:42 +0200
> > Subject: Re: [acom-list] Re: I just dont know anymore!
> >
> > Hi,
> >
> > 4kV no load!
> >
> > 73s Tadej S52X
> >
> > 2010/9/19 Kees - pa7two <pa7two@...>
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> > >
> > >
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> > >
> > > > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> > > > From: tadej.arcon@... <tadej.arcon%40gmail.com>
> > > > Date: Sun, 19 Sep 2010 18:03:55 +0200
> > > > Subject: Re: [acom-list] Re: I just dont know anymore!
> > > >
> > > >
> > > > Hi Group!
> > > >
> > > > I saw home made amps with a pair of gu74b running at almost 4kV. I have
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> > > > winning Alpha 91b, which I run it a bit over 3kV. Solid performer and no
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> > > > 73s Tadej S52X
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> > > > 2010/9/19 bobhzv <bob.g4hzv@... <bob.g4hzv%40gmail.com>>
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> > > > >
> > > > >
> > > > > I agree. My 1000 usually runs around 2850 - 2900 and it's fine.
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> > > > > Bob
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> > > > > --- In acom-list@yahoogroups.com <acom-list%40yahoogroups.com><acom-list%
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> > > > > <jcox123@> wrote:
> > > > > >
> > > > > > Quit worring about it and operate. 2800 volts isnt going to hurt
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> > > > > >
> > > > > > Jim K4JAF
> > > > > >
> > > > > >
> > > > > > ----- Original Message -----
> > > > > > From: Sonny
> > > > > > To: acom-list@yahoogroups.com <acom-list%40yahoogroups.com><acom-list%
> > > 40yahoogroups.com>
> > > > > > Sent: Sunday, September 19, 2010 9:28 AM
> > > > > > Subject: [acom-list] I just dont know anymore!
> > > > > >
> > > > > >
> > > > > >
> > > > > > After talking to Bob at Array Solutions he assured me that my high
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> > > > > > Last night I turned on the amp but did not measure the voltage out of
> > > my
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> > > > > >
> > > > > > Does anyone have any answer that makes sense? I dont know about the
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> > > > Tadej Arcon
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> > Tadej Arcon
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3759. Re: [acom-list] Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-20 17:24:39 UTC
From: Hans Remeeus
Topic: 3751 Message: 3759

Hello Andrey,

On the display of the Acom 2000A's RCU it is possible to monitor a lot of internal measurements, with a maximum of two at the same time.

The Filament Voltage of my 2000A often is around 13.2 Volt. According to Acom (and other technicians) it is better for the tubes to have a bit higher Filament Voltage then lower. But always within the safe margin of course.

Unfortunately you cannot set the 2000A at 230 Volt, which is the supplied Voltage in my country. I have to choose a setting of 220 or 240 Volt. Because of the Filament Voltage (what I wrote above) it is better to set the 2000A's transformer at 220 Volt instead of 240 Volt.

I drive my 2000A for more then five years now, at almost every QSO, with the same set of tubes and the gain still is around 15 dB.

BTW; my second (manual) amplifier will be this one:
http://www.remeeus.eu/amateur-radio/linears/amplitec-hf50-1001200.html
With the cheap GS35b triode this amplifier gives 1,5 kW.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 20-9-2010 18:30, Andrey wrote:
> The GU74b / 4CX800A tubes will take higher plate voltage - these tubes are very rugged and a few hundred volts more on the plate probably will not cause any problems (The *peak* anode voltage listed in the datasheet is 4kV).
> The real problem with higher AC mains voltage is that it results in higher filament voltage.
> In the ACOM 1000 (as in most tube amps) there is no regulation for the cathode heater (filament) voltage - a single GU74b tube pulls almost 4A (3.6A to be exact) @ 12.6V. Voltage regulation in the heater circuit will make the amplifier even bigger, heavier and more expensive.
> Most tube amps heat the cathode with AC, directly from a separate secondary winding in the power transformer. Some amps are equipped with a separate filament transformer (not the case with ACOM1000).
> When the AC mains are higher than the nominal, this translates directly into higher filament voltage.
> According to an EIMAC study: " A 3% increase in filament voltage above the maximum rating will result in a 50% decrease in tube life."
> These tubes are not made by EIMAC but probably will follow similar principals.
> The absolute maximum filament voltage for GU74b is 13.2V (nominal is 12.6V) but there is no monitoring circuit.

> There is a little cover on the bottom of ACOM1000 which will give you access to the tube's socket compartment. You could check (with caution!!!) with an AC voltmeter (True RMS type), what is the filament voltage right at the socket (H1/H2), when your AC mains are at their highest voltage. If you get reading less than 13.3V you should be OK.
> If it is more than 13.3V and you are also set at your highest voltage tap on the power transformer, then you are risking the tube's life-span.
>
> Hope this helps.
>
> 73
> de Andrey, AE1S
>

[Non-text portions of this message have been removed]

3760. Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-20 18:15:37 UTC
From: Andrey
Topic: 3751 Message: 3760

Hi Hans,

My amplifier is ACOM 1000 but to be honest, I never checked my heater voltage - my power transformer is set for 240V and fortunatly my AC mains vary only from 238 to 243V. I know that 2000A can measure the heater voltage, but not sure how accurate is that built-in meter. (for instnace the built-in wattmeter in my ACOM 1000 is not very accurate). I would think, when ACOM says it is better to have a slightly higher filament voltage they use 12.6V as reference and probably have 13.3V+ trigger an alarm/protection - again - I have 1000.
Btw this amp you are refering to looks very nicely built - what is their availability and cost (even roughly?). Are they sold in US?

73
de Andrey, AE1S

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Andrey,
>
> On the display of the Acom 2000A's RCU it is possible to monitor a lot
> of internal measurements, with a maximum of two at the same time.
>
> The Filament Voltage of my 2000A often is around 13.2 Volt. According to
> Acom (and other technicians) it is better for the tubes to have a bit
> higher Filament Voltage then lower. But always within the safe margin of
> course.
>
> Unfortunately you cannot set the 2000A at 230 Volt, which is the
> supplied Voltage in my country. I have to choose a setting of 220 or 240
> Volt. Because of the Filament Voltage (what I wrote above) it is better
> to set the 2000A's transformer at 220 Volt instead of 240 Volt.
>
> I drive my 2000A for more then five years now, at almost every QSO, with
> the same set of tubes and the gain still is around 15 dB.
>
> BTW; my second (manual) amplifier will be this one:
> http://www.remeeus.eu/amateur-radio/linears/amplitec-hf50-1001200.html
> With the cheap GS35b triode this amplifier gives 1,5 kW.
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> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu

> Communication is about people, the rest is technology.
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>
> Op 20-9-2010 18:30, Andrey wrote:
> > The GU74b / 4CX800A tubes will take higher plate voltage - these tubes are very rugged and a few hundred volts more on the plate probably will not cause any problems (The *peak* anode voltage listed in the datasheet is 4kV).
> > The real problem with higher AC mains voltage is that it results in higher filament voltage.
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> > These tubes are not made by EIMAC but probably will follow similar principals.
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> > If it is more than 13.3V and you are also set at your highest voltage tap on the power transformer, then you are risking the tube's life-span.
> >
> > Hope this helps.
> >
> > 73
> > de Andrey, AE1S
> >
>
>
> [Non-text portions of this message have been removed]
>

3761. Re: [acom-list] Re: I just dont know anymore!

Yahoo group: acom-list (2010 — 2016)
Date: 2010-09-21 05:26:21 UTC
From: Hans Remeeus
Topic: 3751 Message: 3761

Hello Andrey,

I agree that the built-in metering will have a degree of tolerance. It gives us a reasonable impression of how our amplifier does his job.

The delivery time of the Amplitec amplifiers is a few weeks. Pal Toth has manufacturing on demand and he is very flexibel; it is a very small company. He has a very long and wide experience in building amplifiers (HF and VHF) and his service is excellent! The amplifier shown on my internetsite has about the same price as an Acom 1000. They are not sold in the US through an agent or such, but only through direct sales at Amplitec in Hungary. One of the major reasons why I will buy this amplifier are the tubes; e.g. the triode GS35b is very cheap and has an excellent availability. When you are interested in SSB audio quality then 1 triode tube in your linear amplifier is your best friend!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 20-9-2010 20:15, Andrey schreef:
> Hi Hans,
>
> My amplifier is ACOM 1000 but to be honest, I never checked my heater voltage - my power transformer is set for 240V and fortunatly my AC mains vary only from 238 to 243V. I know that 2000A can measure the heater voltage, but not sure how accurate is that built-in meter. (for instnace the built-in wattmeter in my ACOM 1000 is not very accurate). I would think, when ACOM says it is better to have a slightly higher filament voltage they use 12.6V as reference and probably have 13.3V+ trigger an alarm/protection - again - I have 1000.
> Btw this amp you are refering to looks very nicely built - what is their availability and cost (even roughly?). Are they sold in US?
>
> 73
> de Andrey, AE1S
>

[Non-text portions of this message have been removed]

3762. ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-10-10 05:34:10 UTC
From: Óscar Luis Fernández Lanza
Topic: 3762 Message: 3762

Hello, [EA1DR Óscar Luis]

I am the owner o fan ACOM 1000 but for the last month the amp is giving some troubles. Let me explain:

I swhich on the amp, wait for the 3 minutes, I start loading the amp with 20watts on a particular frequency when I press TX on RTTY with those 20watts the amp beggins selfprotecting and the yellow ATT led goes off; I release TX and press it again but it keeps protecting and I am simply using 20w.

After several times trying and slowly increasing exciter power, the amp seem to beggin warming up and start to work normal. I rise the exciter up to 80-90 watts and the amp runs perfect 1Kw. If I keep calling DX or maintaining a QSO the amp delivers the 1Kw with no problem.

But when I finish de QSO and I leave the amp in stand by no matter how the OPER button is on or off; when I excite the amp again for a new QSO or DX call alter 1 or 2 minutes, the amp does no react delivering the 1Kw at once (the rig power remains 80-90watts as when I loaded it) and the amp beggins delivering power like step by step, for example 120-200-360-400-500-670- and afther a three or four wissels (which takes me around 10 seconds) the amp goes up to the 1KW and as long as I keep it working the amp delivers full power. But if I decide to take a 3 or 5 minutes brake, when I come back and apply the same 80-90 watts of drive, the amp reacts delivering power step by step requiring me to wissel once again until full power is achieved

Dear friends, English it is not my mother tongue so I apologise for the mistakes I might have wrtiten down and hopefully you will be able to help me with my ACOM1000.

NOTE:

1) it happens in all bands, I always use RRTY to load the amp

2) All coax are ok, ALC and relay cables are conected to the rig

3) It happens with all my antenas (yagi, rigid dipole and wire dipole)

4) it hhapens with both my IC775DSP and YAESU FT1000mkv

5) SWR when keying down it ranges (1.2-1.7)

6) When I use RTTY the ATT protection goes off, if I do it myself SSB saying heeeello, heeeello, the ATT protection does not goes off

I dont have any idea of what might be causing this failure. Any coments or help would be appreciated.

Regards

EA1DR OSCAR LUIS

[Non-text portions of this message have been removed]

3763. Re: [acom-list] ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-10-10 14:12:31 UTC
From: Brian Alsop
Topic: 3762 Message: 3763

First of all 80-90 watts of drive is very high. Typically 60-65W here for near 1 Kw for HF bands. If you have to drive it this hard, then the tube is likely very weak. Look at screen current, if over about 7 ma then is is being driven too hard.

I had one soundcard AFSK program that had an AF spike at beginning of the transmission. That could lead to a trip if you're driving the tube so hard.

I believe the ACOM could think there is too much drive power (with low power drive) if the tuning settings are very far off from correct.

Disconnect the ALC line and see what happens. The ACOM amp does very well without it. It could be causing the power behavior you are seeing.

73 de Brian/K3KO

On 10/10/2010 05:34, ?scar Luis Fern?ndez Lanza wrote:
>
>
>
>
> Hello, [EA1DR ?scar Luis]
>
> I am the owner o fan ACOM 1000 but for the last month the amp is giving some
> troubles. Let me explain:
>
> I swhich on the amp, wait for the 3 minutes, I start loading the amp with
> 20watts on a particular frequency when I press TX on RTTY with those 20watts
> the amp beggins selfprotecting and the yellow ATT led goes off; I release TX
> and press it again but it keeps protecting and I am simply using 20w.
>
> After several times trying and slowly increasing exciter power, the amp seem
> to beggin warming up and start to work normal. I rise the exciter up to
> 80-90 watts and the amp runs perfect 1Kw. If I keep calling DX or
> maintaining a QSO the amp delivers the 1Kw with no problem.
>
> But when I finish de QSO and I leave the amp in stand by no matter how the
> OPER button is on or off; when I excite the amp again for a new QSO or DX
> call alter 1 or 2 minutes, the amp does no react delivering the 1Kw at once
> (the rig power remains 80-90watts as when I loaded it) and the amp beggins
> delivering power like step by step, for example 120-200-360-400-500-670- and
> afther a three or four wissels (which takes me around 10 seconds) the amp
> goes up to the 1KW and as long as I keep it working the amp delivers full
> power. But if I decide to take a 3 or 5 minutes brake, when I come back and
> apply the same 80-90 watts of drive, the amp reacts delivering power step by

> step requiring me to wissel once again until full power is achieved?
>
> Dear friends, English it is not my mother tongue so I apologise for the
> mistakes I might have wrtiten down and hopefully you will be able to help me
> with my ACOM1000.
>
> NOTE:
>
> 1) it happens in all bands, I always use RRTY to load the amp
>
> 2) All coax are ok, ALC and relay cables are conected to the rig
>
> 3) It happens with all my antenas (yagi, rigid dipole and wire dipole)
>
> 4) it hhapens with both my IC775DSP and YAESU FT1000mkv
>
> 5) SWR when keying down it ranges (1.2-1.7)
>
> 6) When I use RTTY the ATT protection goes off, if I do it myself SSB
> saying heeeello, heeeello, the ATT protection does not goes off
>
> I dont have any idea of what might be causing this failure. Any coments or
> help would be appreciated.
>
> Regards
>
> EA1DR OSCAR LUIS
>
> [Non-text portions of this message have been removed]
>
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>
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>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 9.0.862 / Virus Database: 271.1.1/3188 - Release Date: 10/10/10 06:34:00
>

No virus found in this outgoing message.
Checked by AVG - www.avg.com
Version: 9.0.862 / Virus Database: 271.1.1/3188 - Release Date: 10/10/10 06:34:00

[Non-text portions of this message have been removed]

3764. Re: [acom-list] ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2010-10-10 16:43:47 UTC
From: kg4lru@aol.com
Topic: 3762 Message: 3764

Oscar
You seem to cover all the bases But i did not see where you loaded the amp into a Dummy Load ,Also You did Turn OFF Transceiver auto tuner when you were tuning this would explain why is changing . Try the dummy load first with a single cable coming from the acom 1000 . If its still not loading properly I said you have an Issue .

In a message dated 10/10/2010 1:34:20 A.M. Eastern Daylight Time, ea1dr@... writes:

Hello, [EA1DR Óscar Luis]

I am the owner o fan ACOM 1000 but for the last month the amp is giving some
troubles. Let me explain:

I swhich on the amp, wait for the 3 minutes, I start loading the amp with 20watts on a particular frequency when I press TX on RTTY with those 20watts
the amp beggins selfprotecting and the yellow ATT led goes off; I release TX
and press it again but it keeps protecting and I am simply using 20w.

After several times trying and slowly increasing exciter power, the amp seem
to beggin warming up and start to work normal. I rise the exciter up to 80-90 watts and the amp runs perfect 1Kw. If I keep calling DX or maintaining a QSO the amp delivers the 1Kw with no problem.

But when I finish de QSO and I leave the amp in stand by no matter how the OPER button is on or off; when I excite the amp again for a new QSO or DX call alter 1 or 2 minutes, the amp does no react delivering the 1Kw at once (the rig power remains 80-90watts as when I loaded it) and the amp beggins delivering power like step by step, for example 120-200-360-400-500-670- and
afther a three or four wissels (which takes me around 10 seconds) the amp goes up to the 1KW and as long as I keep it working the amp delivers full power. But if I decide to take a 3 or 5 minutes brake, when I come back and apply the same 80-90 watts of drive, the amp reacts delivering power step by
step requiring me to wissel once again until full power is achieved…

Dear friends, English it is not my mother tongue so I apologise for the mistakes I might have wrtiten down and hopefully you will be able to help me
with my ACOM1000.

NOTE:

1) it happens in all bands, I always use RRTY to load the amp

2) All coax are ok, ALC and relay cables are conected to the rig

3) It happens with all my antenas (yagi, rigid dipole and wire dipole)

4) it hhapens with both my IC775DSP and YAESU FT1000mkv

5) SWR when keying down it ranges (1.2-1.7)

6) When I use RTTY the ATT protection goes off, if I do it myself SSB saying heeeello, heeeello, the ATT protection does not goes off

I dont have any idea of what might be causing this failure. Any coments or help would be appreciated.

Regards

EA1DR OSCAR LUIS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3765. "power is on "... voltage ???

Yahoo group: acom-list (2010 — 2016)
Date: 2010-10-27 17:23:42 UTC
From: Bill NY9H
Topic: 3762 Message: 3765

Has anyone created an easy solution so that when the remote control has "powered up" the 2000A... that an external relay is closed??? (not the AC on the front)

I am enclosing the 2000A in cabinetry and I need to increase the cooling fans speed to accommodate the additional air requirements of the 2000a when it is powered .
bill /3

[Non-text portions of this message have been removed]

3766. "power is on "... voltage ???

Yahoo group: acom-list (2010 — 2016)
Date: 2010-10-27 17:23:42 UTC
From: Bill NY9H
Topic: 3762 Message: 3766

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I am enclosing the 2000A in cabinetry and I need to increase the cooling fans speed to accommodate the additional air requirements of the 2000a when it is powered .
bill /3

[Non-text portions of this message have been removed]

3767. 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 09:21:52 UTC
From: Hubert Hamacher
Topic: 3767 Message: 3767

Hello to the group members,

in the next days I w`ll get a IC 7700 with 200 w output. Sometimes I
do not use the amp. In this case, it is possible, to drive the IC 7700 with 200 W? Or is than the 2000A damaged?

73! Hubert, DJ9JX

3768. Re: 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 09:41:05 UTC
From: PA4JJ
Topic: 3767 Message: 3768

What if you leave the 2000 A in standby mode??

73
PA4JJ
--- In acom-list@yahoogroups.com, "Hubert Hamacher" <DJ9JX@...> wrote:
>
> Hello to the group members,
>
> in the next days I w`ll get a IC 7700 with 200 w output. Sometimes I
> do not use the amp. In this case, it is possible, to drive the IC 7700 with 200 W? Or is
than the 2000A damaged?
>
> 73! Hubert, DJ9JX
>

3769. Re: [acom-list] Re: 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 09:56:40 UTC
From: Hans Remeeus
Topic: 3767 Message: 3769

I think that Hubert means in the Standby Mode or with the Acom 2000A
completely switched off.

In the past I used a FT-1000D and FT-1000MP Mark-V with 200 Watt output
and never had any problem with the Acom 2000A running this kind of
output, when the 2000A was switched off.

Perhaps that there is a difference between Standby and Off...

I will ask Stan from Acom today, but perhaps that other in the group
have information.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 1-11-2010 10:41, PA4JJ schreef:
> What if you leave the 2000 A in standby mode??
>
> 73
> PA4JJ
> --- In acom-list@yahoogroups.com, "Hubert Hamacher"<DJ9JX@...> wrote:
>> Hello to the group members,
>>
>> in the next days I w`ll get a IC 7700 with 200 w output. Sometimes I
>> do not use the amp. In this case, it is possible, to drive the IC 7700 with 200 W? Or is
than the 2000A damaged?
>>
>> 73! Hubert, DJ9JX
>>
>
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>
> Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

3770. AW: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 11:08:11 UTC
From: Holger Wendt (DL7SP)
Topic: 3767 Message: 3770

Hi Hubert,

I use the IC7700 and the ACOM2000A since more than one year.
There is no problem to drive the IC7700 with 200W and the ACOM2000A in stand by mode.

73
de
Holger
DL7SP

--- Hubert Hamacher <DJ9JX@...> schrieb am Mo, 1.11.2010:

Von: Hubert Hamacher <DJ9JX@...>
Betreff: [acom-list] 200 Watt TRX and ACOM 2000A
An: acom-list@yahoogroups.com
Datum: Montag, 1. November, 2010 09:21 Uhr

Hello to the group members,

in the next days I w`ll get a IC 7700 with 200 w output. Sometimes I

do not use the amp. In this case, it is possible, to drive the IC 7700 with 200 W? Or is than the 2000A damaged?

73! Hubert, DJ9JX

[Non-text portions of this message have been removed]

3771. RE: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 11:21:34 UTC
From: Bob Naumann
Topic: 3767 Message: 3771

If the amplifier is in Stand-by (ON) it may report an overdrive condition if you exceed 200 w.

There is no harm done however.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hubert Hamacher
Sent: Monday, November 01, 2010 4:22 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 200 Watt TRX and ACOM 2000A

Hello to the group members,

in the next days I w`ll get a IC 7700 with 200 w output. Sometimes I do not use the amp. In this case, it is possible, to drive the IC 7700 with 200 W? Or is than the 2000A damaged?

73! Hubert, DJ9JX

Yahoo! Groups Links

3772. Re: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 11:36:55 UTC
From: k3pp@k3pp.com
Topic: 3767 Message: 3772

This is precisely what it will do. I get that with my Icom 775 at 200w. Obviously 200w in run mode is not good, but thankfully the 2000A is smart enought to protect us from our inevitable stupidity! HI!!

VY 73 de Glenn K3PP
Sent via BlackBerry by AT&T

-----Original Message-----
From: "Bob Naumann" <W5OV@...>
Sender: acom-list@yahoogroups.com
Date: Mon, 1 Nov 2010 06:21:34
To: <acom-list@yahoogroups.com>
Reply-To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 200 Watt TRX and ACOM 2000A

If the amplifier is in Stand-by (ON) it may report an overdrive condition if you exceed 200 w.

There is no harm done however.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hubert Hamacher
Sent: Monday, November 01, 2010 4:22 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 200 Watt TRX and ACOM 2000A

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73! Hubert, DJ9JX

Yahoo! Groups Links

[Non-text portions of this message have been removed]

3773. RE: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 15:34:16 UTC
From: Yann
Topic: 3767 Message: 3773

Hi

The official answer is on the acom2000A protection.doc.

2(a). FWD-P and RFL-P trip above 203W during standby. Bypassing up to 200W forward and reflected power through the amplifier in STBY and OFF mode is safe. A warning is issued in STBY at 203W threshold to secure amplifier's bypass circuitry safety. With 200W-transceivers you may overcome an eventual warning by reducing the power of about 5-10% or so, when the 203-watt threshold is exceeded accidentally.

Please note that switching off the amplifier does not resolve the problem, as the amplifier only could not tell you that the power is too high for it's bypassing relay, and a risk of a damage still exists with more than 200W. If you need more power with the amplifier off, you should reconnect the input and output cables leading to the amplifier, in order to take it out of any transmitting path for more than 200W.

Best 73

Yann F5NBU

www.f5nbu.org <http://www.f5nbu.org/>

_____

De : acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] De la part de k3pp@...
Envoyé : lundi 1 novembre 2010 12:37
À : acom-list@yahoogroups.com
Objet : Re: [acom-list] 200 Watt TRX and ACOM 2000A

This is precisely what it will do. I get that with my Icom 775 at 200w. Obviously 200w in run mode is not good, but thankfully the 2000A is smart enought to protect us from our inevitable stupidity! HI!!

VY 73 de Glenn K3PP
Sent via BlackBerry by AT&T

-----Original Message-----
From: "Bob Naumann" <W5OV@... <mailto:W5OV%40w5ov.com> >
Sender: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Date: Mon, 1 Nov 2010 06:21:34
To: <acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> >
Reply-To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: RE: [acom-list] 200 Watt TRX and ACOM 2000A

If the amplifier is in Stand-by (ON) it may report an overdrive condition if you exceed 200 w.

There is no harm done however.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
Of Hubert Hamacher
Sent: Monday, November 01, 2010 4:22 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] 200 Watt TRX and ACOM 2000A

Hello to the group members,

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do not use the amp. In this case, it is possible, to drive the IC 7700 with
200 W? Or is than the 2000A damaged?

73! Hubert, DJ9JX

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3774. Re: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 16:17:43 UTC
From: Hans Remeeus
Topic: 3767 Message: 3774

Thanks Yann!

Very good to know.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 1-11-2010 16:34, Yann schreef:
> Hi
>
>
>
> The official answer is on the acom2000A protection.doc.
>
>
>
> 2(a). FWD-P and RFL-P trip above 203W during standby. Bypassing up to 200W
> forward and reflected power through the amplifier in STBY and OFF mode is
> safe. A warning is issued in STBY at 203W threshold to secure amplifier's
> bypass circuitry safety. With 200W-transceivers you may overcome an eventual
> warning by reducing the power of about 5-10% or so, when the 203-watt
> threshold is exceeded accidentally.
>
>
>
> Please note that switching off the amplifier does not resolve the problem,
> as the amplifier only could not tell you that the power is too high for it's
> bypassing relay, and a risk of a damage still exists with more than 200W. If
> you need more power with the amplifier off, you should reconnect the input
> and output cables leading to the amplifier, in order to take it out of any
> transmitting path for more than 200W.
>
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>
> Best 73
>
> Yann F5NBU
>
> www.f5nbu.org<http://www.f5nbu.org/>
>

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> _____
>
> De : acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] De la part
> de k3pp@...
> Envoyé : lundi 1 novembre 2010 12:37
> À : acom-list@yahoogroups.com
> Objet : Re: [acom-list] 200 Watt TRX and ACOM 2000A
>
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>
>
>
> This is precisely what it will do. I get that with my Icom 775 at 200w.
> Obviously 200w in run mode is not good, but thankfully the 2000A is smart
> enought to protect us from our inevitable stupidity! HI!!
>
> VY 73 de Glenn K3PP
> Sent via BlackBerry by AT&T
>
> -----Original Message-----
> From: "Bob Naumann"<W5OV@...<mailto:W5OV%40w5ov.com> >
> Sender: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> Date: Mon, 1 Nov 2010 06:21:34
> To:<acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com> >
> Reply-To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> Subject: RE: [acom-list] 200 Watt TRX and ACOM 2000A
>
> If the amplifier is in Stand-by (ON) it may report an overdrive condition if
> you exceed 200 w.
>
> There is no harm done however.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
> -----Original Message-----
> From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of Hubert Hamacher
> Sent: Monday, November 01, 2010 4:22 AM
> To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] 200 Watt TRX and ACOM 2000A
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> 200 W? Or is than the 2000A damaged?
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> 73! Hubert, DJ9JX
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> Yahoo! Groups Links
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3775. Re: 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-01 21:58:42 UTC
From: Hubert Hamacher
Topic: 3767 Message: 3775

Thank you all for the helpfull informations, specially Yann. I think, I can drive with 180 Watts and no problems with amp in stand-by or off mode.

73! Hubert, DJ9JX

--- In acom-list@yahoogroups.com, "Hubert Hamacher" <DJ9JX@...> wrote:
>
> Hello to the group members,
>
> in the next days I w`ll get a IC 7700 with 200 w output. Sometimes I
> do not use the amp. In this case, it is possible, to drive the IC 7700 with 200 W? Or is than the 2000A damaged?
>
> 73! Hubert, DJ9JX
>

3776. Re: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-02 13:50:50 UTC
From: Hans Remeeus
Topic: 3767 Message: 3776

Hello all,

This morning I got an answer from Acom:

"Reduce the power so that it is below 200W."

Sometimes life is very simple... ;-)

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 1-11-2010 16:34, Yann schreef:
> Hi
>
> The official answer is on the acom2000A protection.doc.
>
> 2(a). FWD-P and RFL-P trip above 203W during standby. Bypassing up to 200W
> forward and reflected power through the amplifier in STBY and OFF mode is
> safe. A warning is issued in STBY at 203W threshold to secure amplifier's
> bypass circuitry safety. With 200W-transceivers you may overcome an eventual
> warning by reducing the power of about 5-10% or so, when the 203-watt
> threshold is exceeded accidentally.
>
> Please note that switching off the amplifier does not resolve the problem,
> as the amplifier only could not tell you that the power is too high for it's
> bypassing relay, and a risk of a damage still exists with more than 200W. If
> you need more power with the amplifier off, you should reconnect the input
> and output cables leading to the amplifier, in order to take it out of any
> transmitting path for more than 200W.
>
> Best 73
>
> Yann F5NBU
>
> www.f5nbu.org<http://www.f5nbu.org/>
>

[Non-text portions of this message have been removed]

3777. RE: [acom-list] 200 Watt TRX and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-02 14:17:20 UTC
From: Kees - pa7two
Topic: 3767 Message: 3777

Hi all,

I could agree on this 'simple' statement under one condition... --> Only when the SWR on the coaxial cable between amp and the antenna is low... Because when the SWR rises, the RF voltages rises as well at the bypass circuitry...

So having that in mind, I think it is fair to say that either the bypass circuitry can handle significantly more RF than 200 watt or the SWR issue raised above was not considered in Acom's answer?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: hans@...
Date: Tue, 2 Nov 2010 14:50:50 +0100
Subject: Re: [acom-list] 200 Watt TRX and ACOM 2000A

Hello all,

This morning I got an answer from Acom:

"Reduce the power so that it is below 200W."

Sometimes life is very simple... ;-)

73,

Hans Remeeus (PA1HR)

http://www.remeeus.eu

Communication is about people, the rest is technology.

Op 1-11-2010 16:34, Yann schreef:

> Hi

>

> The official answer is on the acom2000A protection.doc.

>

> 2(a). FWD-P and RFL-P trip above 203W during standby. Bypassing up to 200W

> forward and reflected power through the amplifier in STBY and OFF mode is

> safe. A warning is issued in STBY at 203W threshold to secure amplifier's
> bypass circuitry safety. With 200W-transceivers you may overcome an eventual
> warning by reducing the power of about 5-10% or so, when the 203-watt
> threshold is exceeded accidentally.
>
> Please note that switching off the amplifier does not resolve the problem,
> as the amplifier only could not tell you that the power is too high for it's
> bypassing relay, and a risk of a damage still exists with more than 200W. If
> you need more power with the amplifier off, you should reconnect the input
> and output cables leading to the amplifier, in order to take it out of any
> transmitting path for more than 200W.
>
> Best 73
>
> Yann F5NBU
>
> www.f5nbu.org<http://www.f5nbu.org/>
>
[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3778. Idling Current Adjustment - Acom 1000 question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-20 04:20:16 UTC
From: nmbsun1
Topic: 3778 Message: 3778

Not that I need to replace my tube but just to check the bias on it I checked in the file section on the 1000 tube replacement. What I found was to set the LCD to Plate Current and adjust R2 (Bias2) and to adjust to between 200mA to 240mA with 1 to 5 watts drive. And then R1(Bias1) to read 60 to 80 with NO DRIVE.

I checked my amp and with 5 watt drive the LCD is showing 260mA. And with no drive the LCD is showing 0mA. Is this normal?

My amp is about 3 months old with no problems so far.

73, Sonny AB4VV

3779. Re: [acom-list] Idling Current Adjustment - Acom 1000 question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-20 10:20:05 UTC
From: Brian Alsop
Topic: 3778 Message: 3779

I think you have interpreted "no drive" as the amp not being in xmit mode.

The 50-80 ma spec is for the amp in tx mode (keyed) but with zero drive power.

73 de Brian/K3KO

On 11/20/2010 04:20, nmbsun1 wrote:
>
>
> Not that I need to replace my tube but just to check the bias on it I
> checked in the file section on the 1000 tube replacement. What I found
> was to set the LCD to Plate Current and adjust R2 (Bias2) and to adjust
> to between 200mA to 240mA with 1 to 5 watts drive. And then R1(Bias1) to
> read 60 to 80 with NO DRIVE.
>
> I checked my amp and with 5 watt drive the LCD is showing 260mA. And
> with no drive the LCD is showing 0mA. Is this normal?
>
> My amp is about 3 months old with no problems so far.
>
> 73, Sonny AB4VV
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1153 / Virus Database: 424/3266 - Release Date: 11/19/10
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1153 / Virus Database: 424/3266 - Release Date: 11/19/10

3780. Re: [acom-list] Idling Current Adjustment - Acom 1000 question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-20 13:26:58 UTC
From: Jim Cox
Topic: 3778 Message: 3780

The amp needs to be keyed but no drive to check the bias current.
It should show no bias current unless keyed.

Jim K4JAF

----- Original Message -----
From: nmbsun1
To: acom-list@yahoogroups.com
Sent: Friday, November 19, 2010 10:20 PM
Subject: [acom-list] Idling Current Adjustment - Acom 1000 question

Not that I need to replace my tube but just to check the bias on it I checked in the file section on the 1000 tube replacement. What I found was to set the LCD to Plate Current and adjust R2 (Bias2) and to adjust to between 200mA to 240mA with 1 to 5 watts drive. And then R1(Bias1) to read 60 to 80 with NO DRIVE.

I checked my amp and with 5 watt drive the LCD is showing 260mA. And with no drive the LCD is showing 0mA. Is this normal?

My amp is about 3 months old with no problems so far.

73, Sonny AB4VV

[Non-text portions of this message have been removed]

3781. Re: Idling Current Adjustment - Acom 1000 question

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-20 17:24:16 UTC
From: nmbsun1
Topic: 3778 Message: 3781

Tnx Brian and Jim,

Keyed with no drive shows 70mA. Right on the money.

Not use to keying an amp with no drive! So it had me confused.

73, Sonny

--- In acom-list@yahoogroups.com, "Jim Cox" <jcox123@...> wrote:
>
> The amp needs to be keyed but no drive to check the bias current.
> It should show no bias current unless keyed.
>
> Jim K4JAF
>
>
> ----- Original Message -----
> From: nmbsun1
> To: acom-list@yahoogroups.com
> Sent: Friday, November 19, 2010 10:20 PM
> Subject: [acom-list] Idling Current Adjustment - Acom 1000 question
>
>
>
> Not that I need to replace my tube but just to check the bias on it I checked in the file section on the 1000 tube replacement. What I found was to set the LCD to Plate Current and adjust R2 (Bias2) and to adjust to between 200mA to 240mA with 1 to 5 watts drive. And then R1(Bias1) to read 60 to 80 with NO DRIVE.
>
> I checked my amp and with 5 watt drive the LCD is showing 260mA. And with no drive the LCD is showing 0mA. Is this normal?
>
> My amp is about 3 months old with no problems so far.
>
> 73, Sonny AB4VV
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

3782. Acom 2000A input relay closed it should be open, screen voltage on before timeou

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-20 18:31:13 UTC
From: dl2cc@yahoo.de
Topic: 3782 Message: 3782

Hi guys,

it's one week to CQWW CW and our Acom 2000A just died!
Please help.

I've just switched on the amp like normal, then at the end of the switch on countdown I could hear a rather unusual noise ("clack") and smelled something burning, then the display showed:

Input relay closed it should be open

After turning on the amp. again it now stops at the end of the switch on countdown and shows:

Screen voltage on before timeout over

Please help, is there any chance I won't have to operate QRP in CQWW?

73 TNX
Frank
DL2CC

3783. External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 10:07:19 UTC
From: n3cw
Topic: 3783 Message: 3783

Hi Folks,
I'm considering the Acom 2000A. One of my favorite antennas for 80 is a 135 ft wire (inv vee configuration) fed with 300 ohm ladder line, through a balun near the shack, then a short section of RG-8 to the tuner. I now tune this with an old Drake MN-2000. I'm thinking that the Acom internal tuner would not be able to handle the range of SWR this antenna would present.
Do many Acom 2000A owners also use an external tuner? If so, what model? Seems it would have to be an autotune to give the operator fully automatic frequency changing. What's been the experience with using the Acom with that type antenna? Thanks for info.
--Ed--

3784. AW: [acom-list] External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 10:36:17 UTC
From: Markus Schleutermann
Topic: 3783 Message: 3784

Hi Ed

Running a long G5RV (63m Antenna length and 19m ladder line) as inverted-vee with an ACOM2000, no problem to match on 80m with the internal tuner of the ACOM2000.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von n3cw
Gesendet: Dienstag, 23. November 2010 11:07
An: acom-list@yahoogroups.com
Betreff: [acom-list] External Tuner

Hi Folks,
I'm considering the Acom 2000A. One of my favorite antennas for 80 is a 135 ft wire (inv vee configuration) fed with 300 ohm ladder line, through a balun near the shack, then a short section of RG-8 to the tuner. I now tune this with an old Drake MN-2000. I'm thinking that the Acom internal tuner would not be able to handle the range of SWR this antenna would present.
Do many Acom 2000A owners also use an external tuner? If so, what model? Seems it would have to be an autotune to give the operator fully automatic frequency changing. What's been the experience with using the Acom with that type antenna? Thanks for info.
--Ed--

[Non-text portions of this message have been removed]

3785. Re: AW: [acom-list] External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 11:28:56 UTC
From: Callum (M0MCX)
Topic: 3783 Message: 3785

I'd say that if you start stretching 2:1 SWR, you ought to have a high powered manual tuner in the shack - or make your own.

If you are single-band, you can tailor the antenna, ladder line, balun and feeder for low SWR at a certain point on the band but your SWR will rise dramatically each side of that point (of course, you know this). Acom 2000 will actually handle a return power of nearly 600 or so watts before shutting down but this can't be doing any good to a number of devices in the chain.

I have worked a big doublet via a manual tuner via 450 ohm ladder line for 40, 80 and 160, it was the perfect all-rounder.

Palsar (I think) make a rather good manual tuner quite ecconomically.

Callum McCormick
07976 631881

>

3786. Re: [acom-list] External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 11:34:18 UTC
From: Hans Remeeus
Topic: 3783 Message: 3786

Hello Ed,

I use a 410 feet Delta Loop with 150 feet ladderline. To tune this antennasystem for 160-10 meters I use the magnificant symmetrical PA0LL LL-Tuner; http://www.lltuners.nl/

The Acom 2000A cannot *tune* antennasystems. What it can is trying to find a match between the coaxcable of the antennasystem and the linear amplifier (both are 50 Ohm). Not more, not less. When there are standing waves on the coax cable of 3:1 or less, the Acom 2000A is able to bring this back to safe proportions, in order to protect the final stage (amongst other things the tubes) of the linear amplifier.

When the length of your antennasystem is tuned for *one* band (e.g. as you mentioned: 80 meters), or in other words: the impedance at the end of your ladder line on 80 meters is average around 50 Ohm, then a 1:1 balun between the ladderline and the coaxcable is the right way. The Acom 2000A will settle a minor few standing waves on the mentioned coaxcable. But this is for one band only.

Multiband antennasystems are much more complex... When you are using ladderline after you inverted-V, which is an excellent idea, than you better use a symmetrical antennatuner to tune the system in order to get the best results/effectiviness.

Sorry for my bad English; it's not my maiden language (that is Dutch).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 23-11-2010 11:07, n3cw schreef:
> Hi Folks,
> I'm considering the Acom 2000A. One of my favorite antennas for 80 is a 135 ft wire (inv vee configuration) fed with 300 ohm ladder line, through a balun near the shack, then a short section of RG-8 to the tuner. I now tune this with an old Drake MN-2000. I'm thinking that the Acom internal tuner would not be able to handle the range of SWR this antenna would present.
> Do many Acom 2000A owners also use an external tuner? If so, what model? Seems it would have to be an autotune to give the operator fully automatic frequency changing. What's been the experience with using the Acom with that type antenna? Thanks for info.
> --Ed--
>
>

[Non-text portions of this message have been removed]

3787. RE: [acom-list] External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 11:56:23 UTC
From: Bob Naumann
Topic: 3783 Message: 3787

I had used an MN2000 with my Acom 2000 for a long time.

I swapped it out for an MN2700 to get 160 coverage. I think the MN2000 is a better-made tuner overall, but no 160.

There's no reason to not use the tuner with the amplifier. The MN2000 will easily handle the power and present a good SWR to the amp.

You'd have to "tweak" the tuner if you run up and down the band as you have to now without the amplifier, so there's really no difference whether you're using the amplifier or not - the tuner will still do the same job.

With a tuner, the match bandwidth of the antenna is relatively narrow so you will be adjusting the tuner as you QSY. If you don't, the reflected power will go up, and when high enough, the amp will trip out. Adjust the tuner, and put the amp back in operate mode, and your back in business.

Sounds like a good idea to me.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of n3cw
Sent: Tuesday, November 23, 2010 4:07 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] External Tuner

Hi Folks,
I'm considering the Acom 2000A. One of my favorite antennas for 80 is a 135 ft wire (inv vee configuration) fed with 300 ohm ladder line, through a balun near the shack, then a short section of RG-8 to the tuner. I now tune this with an old Drake MN-2000. I'm thinking that the Acom internal tuner would not be able to handle the range of SWR this antenna would present.
Do many Acom 2000A owners also use an external tuner? If so, what model? Seems it would have to be an autotune to give the operator fully automatic frequency changing. What's been the experience with using the Acom with that type antenna? Thanks for info.
--Ed--

Yahoo! Groups Links

3788. RE: [acom-list] External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 12:37:47 UTC
From: stephen.tripp@snet.net
Topic: 3783 Message: 3788

Hi Bob,

I have been using the MN2700 with the Acom 2000a for years with great success. My antenna is a 260' zepp fed with 40' of 400ohm ladder line into a DX Engineering 9:1 balun and coax into tuner. Some say this may not be a perfect antenna but what is. The impedance on 75m is very low around 3-4ohms and the tuner tunes if just fine while others do not. On the higher HF bands iT becomes easier to tune and at 10m is almost flat and of course becomes and end fire antenna with gain. I use the switch on the tuner to insert either that antenna a log or a 1kw dummy load. The Acom is very happy with this arrangement.

GL
Steve
K1IIG

[Non-text portions of this message have been removed]

3789. Re: [acom-list] External Tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 12:44:53 UTC
From: Fernando EC1CT
Topic: 3783 Message: 3789

Hi Ed,
I have an inverted V for 80 meters which is matched on ssb portion (3750 to 3800 with 1:1.2). On the cw section (3.500-3.550) I am using the same antenna throught a MN2700 Drake tuner on my shack. It works perfectly with my Acom 2000 carefuly adapted to not exceed the 1 kw. Not RF feedback, RFI and the tuner seems to handle that power pretty well. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: n3cw
Sent: Tuesday, November 23, 2010 11:07 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] External Tuner

Hi Folks,
I'm considering the Acom 2000A. One of my favorite antennas for 80 is a 135 ft wire (inv vee configuration) fed with 300 ohm ladder line, through a balun near the shack, then a short section of RG-8 to the tuner. I now tune this with an old Drake MN-2000. I'm thinking that the Acom internal tuner would not be able to handle the range of SWR this antenna would present.
Do many Acom 2000A owners also use an external tuner? If so, what model? Seems it would have to be an autotune to give the operator fully automatic frequency changing. What's been the experience with using the Acom with that type antenna? Thanks for info.
--Ed--

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1153 / Virus Database: 424/3273 - Release Date: 22/11/2010

[Non-text portions of this message have been removed]

3790. Tuners, etc

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 13:27:24 UTC
From: Hal Kennedy
Topic: 3790 Message: 3790

A few things....

This is somewhat semantic, but the 2000A does not have a built-in antenna tuner. It's got a standard PI network output that matches the tube plate impedance (about 2500 ohms (resistive)) to 50 ohms or what's needed up to 3:1 SWR. When you hit auto-tune it tunes the PI network for you - but it can also be run in manual mode. Antenna tuners work in the opposite direction. They take antenna impedances (complex impedances, R and J) that can be hundreds of ohms (or a few ohms) and transform them to 50 ohms for your rig or amp.

The spec on the 2000A is 3:1 SWR Max. At 1500W output both my 2000As trip to standby at 3:1. You can run higher SWR at lower output power....the amp is only concerned with what's reflected back. Less forward output, less reflected.

I use Ten Tec 238B tuners. The new model is the 238C. They won the QST shoot-off several years ago among high power tuners and they work FB. They will take 1500W steady state and tune out more than 6:1 SWR on any band without getting warm. IMHO if your tuner has a fan - that's the sign of a poor design. If they are efficient they don't need a fan. The Ten Tec is an L network which I much prefer to a PI network: Two knobs instead of three, only tunes at one setting. PI tuners have three knobs or cheap-out and replace the rotary inductor with a tapped inductor and switch that is very failure prone. PI tuners will usually tune to 50 ohms at two different settings. One is what you want, the other is highly inefficient and produces huge voltages at the switch if it has a switch. MFJ makes a PI high power tuner that you can arc and destroy the switch running 60W if you follow the original instructions, as they lead you to the wrong of the two possible set points. The instructions have been rewritten lately to fix this.

I would avoid "automatic" antenna tuners in the KW+ range. They switch internal components via relays - more failure points. Also, if you are SO2R or in a multi transmitter location (field day?) the power coming back down the line from other transmitters will fool an auto-tuner.

The 80M antenna here just happens to also be an inverted vee fed with open wire line to a balun. The open wire line was trimmed to be an exact 1/2 wavelength - the coax side of the balun is very close to 50 ohms and no tuner is required (in the CW band). Up on SSB I use one of the Ten Tec tuners and I can run all the way to 4.0 MHz but have never felt the urge :-)

Hope this isn't too much info.
73

Hal N4GG

3791. Re: [acom-list] Tuners, etc

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 14:33:59 UTC
From: Hans Remeeus
Topic: 3790 Message: 3791

Hello Hal,

Excellent message; thanks!

For the lower bands I always prefer symmetrical (as symmetric as possible) antennasystems with symmetrical antennatuners. The LL-Tuner handles up to 3 kW...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 23-11-2010 14:27, Hal Kennedy schreef:
> A few things....
>
>

[Non-text portions of this message have been removed]

3792. RE: [acom-list] Tuners, etc

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 15:55:03 UTC
From: Hal Kennedy
Topic: 3790 Message: 3792

Thanks Hans,

LL tuners are great. I actually used shorted open wire line stubs here at the end of the open wire line transmission lines, and tap the stubs at the 50 ohm point with a relay and balun. It works FB. I need to use coax to get to the house, as there is a lot of antenna switching in the backs yard, etc. The coax to the house is heliax. Between the heliax and the OWL, losses are very low.

Still wish I could have a tower! :-)

73
Hal N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hans Remeeus
Sent: Tuesday, November 23, 2010 9:34 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Tuners, etc

Hello Hal,

Excellent message; thanks!

For the lower bands I always prefer symmetrical (as symmetric as possible) antennasystems with symmetrical antennatuners. The LL-Tuner handles up to 3 kW...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 23-11-2010 14:27, Hal Kennedy schreef:
> A few things....
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3793. ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 16:03:14 UTC
From: Franki ON5ZO
Topic: 3790 Message: 3793

For the second time in 4 days of operating, I had a strange problem with my ACOM 1000.

The amp was powered up and in stand-by. When I wanted to use it, I press the 'operate' button. Immediately thereafter I get a blinking display, with an error message - but I don't have the time to read it since the amp shuts down ('power off' mode). I think the error message says something like 'shutting down' and something with 'protect' but I may be wrong since it goes very fast.

When I re-power the amp right after it shut itself down, the warm-up time is only 20-30 seconds and I can use it like nothing happened.

Does anyone know what might be the cause? It never happened in almost 5 years of using it, now 2x in 4 days...

73 de Franki ON5ZO

3794. Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 16:22:33 UTC
From: g4hzv
Topic: 3790 Message: 3794

Franki,

Before you hit the Operate button, step through the readings and check the HT voltage and temperature. I had a similar problem with mine. The metering circuitry was reading high, so the processor thought the HT exceeded the trip level and the amp turned off.

Bob

--- In acom-list@yahoogroups.com, "Franki ON5ZO" <on5zo@...> wrote:
>
> For the second time in 4 days of operating, I had a strange problem with my
> ACOM 1000.
>
> The amp was powered up and in stand-by. When I wanted to use it, I press the
> 'operate' button. Immediately thereafter I get a blinking display, with an
> error message - but I don't have the time to read it since the amp shuts
> down ('power off' mode). I think the error message says something like
> 'shutting down' and something with 'protect' but I may be wrong since it
> goes very fast.
>
> When I re-power the amp right after it shut itself down, the warm-up time is
> only 20-30 seconds and I can use it like nothing happened.
>
> Does anyone know what might be the cause? It never happened in almost 5
> years of using it, now 2x in 4 days...
>
> 73 de Franki ON5ZO
>

3795. Re: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 16:27:09 UTC
From: Franki ON5ZO
Topic: 3790 Message: 3795

> Before you hit the Operate button, step through the readings
> and check the HT voltage and temperature. I had a similar problem with
> mine.
> The metering circuitry was reading high, so the processor thought the HT
> exceeded the trip level and the amp turned off.
> Bob

TNX Bob. Will try to remember to write down the values.
What was the fix in your case?
- Franki ON5ZO

3796. RE: [acom-list] ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 16:32:13 UTC
From: Hal Kennedy
Topic: 3790 Message: 3796

If you can get it to stay on in "operate," go to the measurements section and measure "bias." It should be around -127 volts. With the amp just sitting there in operate but not keyed, watch that value for many minutes. If it fluctuates at all, you are probably in the process of losing a tube.

There are many other possibilities of course..

73
Hal N4GG

For the second time in 4 days of operating, I had a strange problem with my
ACOM 1000.

The amp was powered up and in stand-by. When I wanted to use it, I press the
'operate' button. Immediately thereafter I get a blinking display, with an
error message - but I don't have the time to read it since the amp shuts

down ('power off' mode). I think the error message says something like
'shutting down' and something with 'protect' but I may be wrong since it

goes very fast.

When I re-power the amp right after it shut itself down, the warm-up time is
only 20-30 seconds and I can use it like nothing happened.

Does anyone know what might be the cause? It never happened in almost 5 years of using it, now 2x in 4 days...

73 de Franki ON5ZO

[Non-text portions of this message have been removed]

3797. Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 16:36:02 UTC
From: g4hzv
Topic: 3790 Message: 3797

The metering A/D reference voltage was wrong, so all the meter readings were wrong. Vine Antennas' man fixed it for me.

Bob

--- In acom-list@yahoogroups.com, "Franki ON5ZO" <on5zo@...> wrote:
>
> > Before you hit the Operate button, step through the readings
> > and check the HT voltage and temperature. I had a similar problem with
> > mine.
> > The metering circuitry was reading high, so the processor thought the HT
> > exceeded the trip level and the amp turned off.
> > Bob
>
> TNX Bob. Will try to remember to write down the values.
> What was the fix in your case?
> - Franki ON5ZO
>

3798. Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 16:44:49 UTC
From: g4wjs
Topic: 3790 Message: 3798

--- In acom-list@yahoogroups.com, "Franki ON5ZO" <on5zo@...> wrote:
>
> For the second time in 4 days of operating, I had a strange problem with my
> ACOM 1000.
>
> The amp was powered up and in stand-by. When I wanted to use it, I press the
> 'operate' button. Immediately thereafter I get a blinking display, with an
> error message - but I don't have the time to read it since the amp shuts
> down ('power off' mode). I think the error message says something like
> 'shutting down' and something with 'protect' but I may be wrong since it
> goes very fast.
>
> When I re-power the amp right after it shut itself down, the warm-up time is
> only 20-30 seconds and I can use it like nothing happened.

You can read out the last error code which will tell you the reason for the fault.

>
> Does anyone know what might be the cause? It never happened in almost 5
> years of using it, now 2x in 4 days...
>
> 73 de Franki ON5ZO
>

HTH
Bill
G4WJS

3799. Re: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 18:57:59 UTC
From: Franki ON5ZO
Topic: 3790 Message: 3799

> You can read out the last error code
> which will tell you the reason for the fault.
> G4WJS

Great, I dug up the manual and the two last (identical) errors were
1APR06 000000 000306
1BA697 6720DC D77FA6

2APR06 000000 000166
2BA595 6720DC D77FA5

Decoded per the manual:
PR0 = test while entering operate (exactly what triggered the error)
#6 = "plate current (ipm)" >> what's up with that?
Followed by the values for which the manual does not give an explanation of the code, but refers to an Excel sheet. Anyone?

Should I worry? I'm only familiar with solid state devices, not with tubes. Plate current = 0mA when stand-by, 10-20mA when active but unkeyed (display value toggles, but mostly 20mA), 570mA for 1kW RF out.

- Franki ON5ZO

3800. Re: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 19:26:36 UTC
From: Mike Harris
Topic: 3790 Message: 3800

I have a copy.

Regards,

Mike VP8NO

----- Original Message -----
From: "Franki ON5ZO" <on5zo@...>
To: <acom-list@yahoogroups.com>
Sent: Tuesday, November 23, 2010 3:57 PM
Subject: Re: [acom-list] Re: ACOM 1000 problem

>> You can read out the last error code
>> which will tell you the reason for the fault.
>> G4WJS
>
> Great, I dug up the manual and the two last (identical) errors
> were
> 1APR06 000000 000306
> 1BA697 6720DC D77FA6
>
> 2APR06 000000 000166
> 2BA595 6720DC D77FA5
>
> Decoded per the manual:
> PR0 = test while entering operate (exactly what triggered the
> error)
> #6 = "plate current (ipm)" >> what's up with that?
> Followed by the values for which the manual does not give an
> explanation of
> the code, but refers to an Excel sheet. Anyone?
>
> Should I worry? I'm only familiar with solid state devices, not
> with tubes.
> Plate current = 0mA when stand-by, 10-20mA when active but unkeyed
> (display
> value toggles, but mostly 20mA), 570mA for 1kW RF out.
>
> - Franki ON5ZO

3801. Re: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 21:54:32 UTC
From: Franki ON5ZO
Topic: 3790 Message: 3801

> Should I worry? I'm only familiar with solid state devices, not with
> tubes.
> Plate current = 0mA when stand-by, 10-20mA when active but unkeyed
> (display
> value toggles, but mostly 20mA), 570mA for 1kW RF out.

According to the ACOM decoding sheet, trip value for plate current is 25mA.

When the amp has been off for a while, after warm up the plate current is
10mA.
After 10-15 minutes *in the operating position* (but no drive) the display
shows a plate current of 20mA already.
It seems that after a longer time this value goes up unil it is (or at least
measured as) 30mA. Then display toggles between 20mA and 30mA. I can still
use the amp. However, putting it into stand-by and then push the 'operate'
button to re-activate, makes the amp trip as designed.

I don't think it is a faulty tube so replacing it seems useless?
Whan can cause the current to rise? Or is it the ADC that 'measures' too
high, as brought up by Bob G4HZV? If so: can I adjust this myself? I don't
have the schematics.

Timing for this problem is very bad with CQ WW CW just around the corner...
- Franki ON5ZO

3802. FLEX 5000 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 22:48:33 UTC
From: Hal Kennedy
Topic: 3802 Message: 3802

Did a little research on a problem that was brought up regarding the two getting along. Seems earlier FLEX software allowed some ALC overshoot, which is now fixed. Those with FLEX radios might want to load up the latest SW.

73 Hal
N4GG

3803. RE: [acom-list] FLEX 5000 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-23 23:04:45 UTC
From: Jim
Topic: 3802 Message: 3803

Not totally.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hal Kennedy
Sent: Tuesday, November 23, 2010 5:49 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] FLEX 5000 and ACOM 2000A

Did a little research on a problem that was brought up regarding the two getting along. Seems earlier FLEX software allowed some ALC overshoot, which is now fixed. Those with FLEX radios might want to load up the latest SW.

73 Hal
N4GG

Yahoo! Groups Links

_____ Information from ESET Smart Security, version of virus signature database 5643 (20101123) _____

The message was checked by ESET Smart Security.

http://www.eset.com

3804. Re: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 08:50:53 UTC
From: Bob Bagwell
Topic: 3790 Message: 3804

Franki,

I think you need to adjust the idling current. If you find the tube replacement instructions, there's a copy in the Files section, it tells you how to do it. Be very careful, you need to defeat the safety interlocks, so just adjust the two potentiometers and watch where you put your fingers.

73 Bob

Franki ON5ZO wrote:
>> Should I worry? I'm only familiar with solid state devices, not with
>> tubes.
>> Plate current = 0mA when stand-by, 10-20mA when active but unkeyed
>> (display
>> value toggles, but mostly 20mA), 570mA for 1kW RF out.
>>
>
> According to the ACOM decoding sheet, trip value for plate current is 25mA.
>
> When the amp has been off for a while, after warm up the plate current is
> 10mA.
> After 10-15 minutes *in the operating position* (but no drive) the display
> shows a plate current of 20mA already.
> It seems that after a longer time this value goes up unil it is (or at least
> measured as) 30mA. Then display toggles between 20mA and 30mA. I can still
> use the amp. However, putting it into stand-by and then push the 'operate'
> button to re-activate, makes the amp trip as designed.
>
> I don't think it is a faulty tube so replacing it seems useless?
> Whan can cause the current to rise? Or is it the ADC that 'measures' too
> high, as brought up by Bob G4HZV? If so: can I adjust this myself? I don't
> have the schematics.
>
> Timing for this problem is very bad with CQ WW CW just around the corner...
> - Franki ON5ZO
>
>
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>
> Yahoo! Groups Links
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>

>

3805. Re: [acom-list] Tuners, etc

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 09:01:41 UTC
From: Ivan
Topic: 3790 Message: 3805

I ask him imformation and pricing and dot reply my answer (¿?). I have
interest in for mi Long Loop Antenna.
73´s Ivan EA8YG

El 23/11/2010 15:55, Hal Kennedy escribió:
>
> Thanks Hans,
>
> LL tuners are great. I actually used shorted open wire line stubs here
> at the end of the open wire line transmission lines, and tap the stubs
> at the 50 ohm point with a relay and balun. It works FB. I need to use
> coax to get to the house, as there is a lot of antenna switching in the
> backs yard, etc. The coax to the house is heliax. Between the heliax
> and the OWL, losses are very low.
>
> Still wish I could have a tower! :-)
>
> 73
> Hal N4GG
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf Of Hans Remeeus
> Sent: Tuesday, November 23, 2010 9:34 AM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] Tuners, etc
>
>
>
> Hello Hal,
>
> Excellent message; thanks!
>
> For the lower bands I always prefer symmetrical (as symmetric as
> possible) antennasystems with symmetrical antennatuners. The LL-Tuner
> handles up to 3 kW...
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> Communication is about people, the rest is technology.
>
> Op 23-11-2010 14:27, Hal Kennedy schreef:

> > A few things....
> >
> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

3806. Re: [acom-list] Tuners, etc

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 09:39:30 UTC
From: Hans Remeeus
Topic: 3790 Message: 3806

Hello Ivan,

Please send me an e-mail to hans at remeeus dot eu and I will QSP for
you and PA0LL.

Kees is a very busy man. His tuners are all handcraft by himself.
Therefore he sometimes cannot find the time to answer all the e-mails.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
Communication is about people, the rest is technology.

Op 24-11-2010 10:01, Ivan schreef:
> I ask him imformation and pricing and dot reply my answer (¿?). I have
> interest in for mi Long Loop Antenna.
> 73´s Ivan EA8YG
>

[Non-text portions of this message have been removed]

3807. RE: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 09:38:36 UTC
From: Kees - pa7two
Topic: 3790 Message: 3807

Hi Bob, Franki,

10-20ma in idle is fine. 570ma under 1KW output is fine too. Very slightly increased idle current due to heated up components I have seen before too.

My advice: Leave the amp switched on for some time (few minutes) on idle current to let the components heat up a bit, and only then do the idle current adjustments. (Both the idle and 5 watt RF current check).

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: bob.g4hzv@...
Date: Wed, 24 Nov 2010 08:50:53 +0000
Subject: Re: [acom-list] Re: ACOM 1000 problem

Franki,

I think you need to adjust the idling current. If you find the tube

replacement instructions, there's a copy in the Files section, it tells

you how to do it. Be very careful, you need to defeat the safety

interlocks, so just adjust the two potentiometers and watch where you

put your fingers.

73 Bob

Franki ON5ZO wrote:

>> Should I worry? I'm only familiar with solid state devices, not with

>> tubes.

>> Plate current = 0mA when stand-by, 10-20mA when active but unkeyed

>> (display

>> value toggles, but mostly 20mA), 570mA for 1kW RF out.

>>

>

> According to the ACOM decoding sheet, trip value for plate current is 25mA.

>

> When the amp has been off for a while, after warm up the plate current is

> 10mA.

> After 10-15 minutes *in the operating position* (but no drive) the display

> shows a plate current of 20mA already.

> It seems that after a longer time this value goes up unil it is (or at least

> measured as) 30mA. Then display toggles between 20mA and 30mA. I can still

> use the amp. However, putting it into stand-by and then push the 'operate'

> button to re-activate, makes the amp trip as designed.

>

> I don't think it is a faulty tube so replacing it seems useless?

> Whan can cause the current to rise? Or is it the ADC that 'measures' too

> high, as brought up by Bob G4HZV? If so: can I adjust this myself? I don't

> have the schematics.

>

> Timing for this problem is very bad with CQ WW CW just around the corner...

> - Franki ON5ZO

>

>

>

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>

> Yahoo! Groups Links

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>

[Non-text portions of this message have been removed]

3808. RE: [acom-list] Re: ACOM 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 10:04:15 UTC
From: Kees - pa7two
Topic: 3790 Message: 3808

Hi Bob, Franki,

10-20ma in idle is fine. 570ma under 1KW output
is fine too. Very slightly increased idle current due to heated up
components I have seen before too.

My advice: Leave the amp
switched on for some time (few minutes) on idle current to let the
components heat up a bit, and only then do the idle current adjustments.
(Both the idle and 5 watt RF current check).

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: on5zo@...
Date: Tue, 23 Nov 2010 22:54:32 +0100
Subject: Re: [acom-list] Re: ACOM 1000 problem

> Should I worry? I'm only familiar with solid state devices, not with

> tubes.

> Plate current = 0mA when stand-by, 10-20mA when active but unkeyed

> (display

> value toggles, but mostly 20mA), 570mA for 1kW RF out.

According to the ACOM decoding sheet, trip value for plate current is 25mA.

When the amp has been off for a while, after warm up the plate current is

10mA.

After 10-15 minutes *in the operating position* (but no drive) the display

shows a plate current of 20mA already.

It seems that after a longer time this value goes up unil it is (or at least

measured as) 30mA. Then display toggles between 20mA and 30mA. I can still

use the amp. However, putting it into stand-by and then push the 'operate'

button to re-activate, makes the amp trip as designed.

I don't think it is a faulty tube so replacing it seems useless?

Whan can cause the current to rise? Or is it the ADC that 'measures' too high, as brought up by Bob G4HZV? If so: can I adjust this myself? I don't have the schematics.

Timing for this problem is very bad with CQ WW CW just around the corner...

- Franki ON5ZO

[Non-text portions of this message have been removed]

3809. ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 11:51:12 UTC
From: belanger_dany
Topic: 3809 Message: 3809

Hi

Somebody have a copy of the schematics diagrams and PCB Layouts for this amp ?

In the files section, I found all the info about the 1000 and 2000 but nothing regarding the 1010 model.

My friend Steve VE2TKH is in Zone 2 for a long period but is A 1010 have no output. The 4CX800 is good, some else is in problem.

Thank in advance

Dany VE2EBK

3810. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 12:03:39 UTC
From: Kees - pa7two
Topic: 3809 Message: 3810

Hi Dany,

Perhaps www.mods.dk has a copy? Else the Yahoo reflector?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: ve2ebk@...
Date: Wed, 24 Nov 2010 11:51:12 +0000
Subject: [acom-list] ACOM 1010

Hi

Somebody have a copy of the schematics diagrams and PCB Layouts for this amp ?

In the files section, I found all the info about the 1000 and 2000 but nothing regarding the 1010 model.

My friend Steve VE2TKH is in Zone 2 for a long period but is A 1010 have no output. The 4CX800 is good, some else is in problem.

Thank in advance

Dany VE2EBK

[Non-text portions of this message have been removed]

3811. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2010-11-24 13:26:19 UTC
From: Ron NØAT
Topic: 3809 Message: 3811

Dany,

I have a copy of the schematics. Let me know if you want me to email it to you.

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of belanger_dany
Sent: Wednesday, November 24, 2010 05:51
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1010

Hi

Somebody have a copy of the schematics diagrams and PCB Layouts for this amp ?

In the files section, I found all the info about the 1000 and 2000 but nothing regarding the 1010 model.

My friend Steve VE2TKH is in Zone 2 for a long period but is A 1010 have no output. The 4CX800 is good, some else is in problem.

Thank in advance

Dany VE2EBK

[Non-text portions of this message have been removed]

3812. Acom 1000 - faulty input SO259?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 13:31:36 UTC
From: stewart
Topic: 3812 Message: 3812

Hi,

Last time I tried to operate through my Acom 1000 I got infinite swr whether the amp was on or off. A meter between the centre pins of input and output sockets shows high R in the region a Megohm; between the centre of input and chassis I see only a couple of ohms but when I operate the ptt this goes up 50 ohms (the grid swamp resistor?) so it appears and sounds as if the input and antenna relays are working.

To me it looks as if the input socket has gone bad. To get at it you have to remove what I assume is the tube deck; I have no technical experience of high power amplifiers and wonder if this is something I could reasonably expect to check myself.

Appreciate any help/advice.

73,

Stewart Rolfe, GW0ETF

3813. Re: [acom-list] Acom 1000 - faulty input SO259?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 15:10:18 UTC
From: Bob Bagwell
Topic: 3812 Message: 3813

Stewart,

I think it's unlikely to be the socket. The centre terminal is made from a lump of plated brass and it's unlikely to fail. It doesn't sound like a dry joint either, because stuff happens when you operate the relay. I reckon it could be the output relay, because that's in circuit when the amplifier is in standby mode and you can't see a connection between the input and output. I think there's a history of them failing.

GL Bob

stewart wrote:
> Hi,
>
> Last time I tried to operate through my Acom 1000 I got infinite swr whether the amp was on or off. A meter between the centre pins of input and output sockets shows high R in the region a Megohm; between the centre of input and chassis I see only a couple of ohms but when I operate the ptt this goes up 50 ohms (the grid swamp resistor?) so it appears and sounds as if the input and antenna relays are working.
>
> To me it looks as if the input socket has gone bad. To get at it you have to remove what I assume is the tube deck; I have no technical experience of high power amplifiers and wonder if this is something I could reasonably expect to check myself.
>
> Appreciate any help/advice.
>
> 73,
>
> Stewart Rolfe, GW0ETF
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>
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>

3814. RE: [acom-list] Acom 1000 - faulty input SO259?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 15:26:52 UTC
From: John Lemay
Topic: 3812 Message: 3814

Stewart

My amplifier is a working version (!), and it also does no have DC continuity between the input and output center pins. It sounds like you are in need of the circuit diagram.

You say you get infinite swr - where are you measuring this, on the drive transceiver ?

Suspect your patch lead first.

Regards

John G4ZTR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of stewart
Sent: 02 December 2010 13:32
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 - faulty input SO259?

Hi,

Last time I tried to operate through my Acom 1000 I got infinite swr whether the amp was on or off. A meter between the centre pins of input and output sockets shows high R in the region a Megohm; between the centre of input and chassis I see only a couple of ohms but when I operate the ptt this goes up 50 ohms (the grid swamp resistor?) so it appears and sounds as if the input and antenna relays are working.

To me it looks as if the input socket has gone bad. To get at it you have to remove what I assume is the tube deck; I have no technical experience of high power amplifiers and wonder if this is something I could reasonably expect to check myself.

Appreciate any help/advice.

73,

Stewart Rolfe, GW0ETF

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5666 (20101202) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

3815. Re: Acom 1000 - faulty input SO259?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 15:59:12 UTC
From: g4hzv
Topic: 3812 Message: 3815

John,

Good point, well made. Yes, there's are 6 x 10n paralleled capacitors, shunted by a 1 meg resistor in series with the output socket, so the lowest straight through DC resistance will be 1 Megohm.

Sorry Stewart, I missed that when I glanced at the circuit. It sounds to me like the relays are OK. Are you sure that your RF connecting leads are OK?

Bob

--- In acom-list@yahoogroups.com, "John Lemay" <john@...> wrote:
>
> Stewart
>
>
>
> My amplifier is a working version (!), and it also does no have DC
> continuity between the input and output center pins. It sounds like you are
> in need of the circuit diagram.
>
>
>
> You say you get infinite swr - where are you measuring this, on the drive
> transceiver ?
>
>
>
> Suspect your patch lead first.
>
>
>
> Regards
>
>
>
> John G4ZTR
>
>
>
> _____
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of stewart
> Sent: 02 December 2010 13:32
> To: acom-list@yahoogroups.com

> Subject: [acom-list] Acom 1000 - faulty input SO259?
>
>
>
>
>
> Hi,
>
> Last time I tried to operate through my Acom 1000 I got infinite swr whether
> the amp was on or off. A meter between the centre pins of input and output
> sockets shows high R in the region a Megohm; between the centre of input and
> chassis I see only a couple of ohms but when I operate the ptt this goes up
> 50 ohms (the grid swamp resistor?) so it appears and sounds as if the input
> and antenna relays are working.
>
> To me it looks as if the input socket has gone bad. To get at it you have to
> remove what I assume is the tube deck; I have no technical experience of
> high power amplifiers and wonder if this is something I could reasonably
> expect to check myself.
>
> Appreciate any help/advice.
>
> 73,
>
> Stewart Rolfe, GW0ETF
>
>
>
>
>
> _____ Information from ESET NOD32 Antivirus, version of virus signature
> database 5666 (20101202) _____
>
> The message was checked by ESET NOD32 Antivirus.
>
> http://www.eset.com
>
>
>
> [Non-text portions of this message have been removed]
>

3816. Re: Acom 1000 - faulty input SO259?

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 16:09:06 UTC
From: stewart
Topic: 3812 Message: 3816

John, Bob,

Patch leads were the first port of call. The circuit diagram in the handbook seems to indicate a straight through in standby (to the output relay at least) but it isn't that clear in and around the input area so may be a blocking cap in circuit there. The relays sound ok but no guarantee there's contact being made! In receive, and with a tested patch lead, sigs are heard but way down and the K3 indicates infinite swr txing through the amp in standby with a dummy load on the output.

Thanks for the input.

73,

Stewart, GW0ETF

--- In acom-list@yahoogroups.com, "John Lemay" <john@...> wrote:
>
> Stewart
>
>
>
> My amplifier is a working version (!), and it also does no have DC
> continuity between the input and output center pins. It sounds like you are
> in need of the circuit diagram.
>
>
>
> You say you get infinite swr - where are you measuring this, on the drive
> transceiver ?
>
>
>
> Suspect your patch lead first.
>
>
>
> Regards
>
>
>
> John G4ZTR
>
>
>
> _____
>

> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of stewart
> Sent: 02 December 2010 13:32
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Acom 1000 - faulty input SO259?
>
>
>
>
>
> Hi,
>
> Last time I tried to operate through my Acom 1000 I got infinite swr whether
> the amp was on or off. A meter between the centre pins of input and output
> sockets shows high R in the region a Megohm; between the centre of input and
> chassis I see only a couple of ohms but when I operate the ptt this goes up
> 50 ohms (the grid swamp resistor?) so it appears and sounds as if the input
> and antenna relays are working.
>
> To me it looks as if the input socket has gone bad. To get at it you have to
> remove what I assume is the tube deck; I have no technical experience of
> high power amplifiers and wonder if this is something I could reasonably
> expect to check myself.
>
> Appreciate any help/advice.
>
> 73,
>
> Stewart Rolfe, GW0ETF
>
>
>
>
>
> _____ Information from ESET NOD32 Antivirus, version of virus signature
> database 5666 (20101202) _____
>
> The message was checked by ESET NOD32 Antivirus.
>
> http://www.eset.com
>
>
>
> [Non-text portions of this message have been removed]
>

3817. 2000 power on problem

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 17:56:10 UTC
From: lx1no
Topic: 3817 Message: 3817

Hi,

After the heat up period, I get a HV TOO LOW AT POWER ON: 0.97 kV message. Any idea what could have gone wrong? As soon as the timer reaches 0 and the relay switches, it switches off.

73 Norby

3818. Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 20:38:54 UTC
From: stewart
Topic: 3812 Message: 3818

Well John was right - sort of, and so was I - sort of...
--- In acom-list@yahoogroups.com, "stewart" <gw0etf@...> wrote:
>
> John, Bob,
>
> Patch leads were the first port of call. The circuit diagram in the handbook seems to indicate a straight through in standby (to the output relay at least) but it isn't that clear in and around the input area so may be a blocking cap in circuit there. The relays sound ok but no guarantee there's contact being made! In receive, and with a tested patch lead, sigs are heard but way down and the K3 indicates infinite swr txing through the amp in standby with a dummy load on the output.
>
> Thanks for the input.
>
> 73,
>
> Stewart, GW0ETF
>
> --- In acom-list@yahoogroups.com, "John Lemay" <john@> wrote:
> >
> > Stewart
> >
> >
> >
> > My amplifier is a working version (!), and it also does no have DC
> > continuity between the input and output center pins. It sounds like you are
> > in need of the circuit diagram.
> >
> >
> >
> > You say you get infinite swr - where are you measuring this, on the drive
> > transceiver ?
> >
> >
> >
> > Suspect your patch lead first.
> >
> >
> >
> > Regards
> >
> >
> >
> > John G4ZTR
> >

> >
> >
> > _____
> >
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> > Of stewart
> > Sent: 02 December 2010 13:32
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] Acom 1000 - faulty input SO259?
> >
> >
> >
> >
> >
> > Hi,
> >
> > Last time I tried to operate through my Acom 1000 I got infinite swr whether
> > the amp was on or off. A meter between the centre pins of input and output
> > sockets shows high R in the region a Megohm; between the centre of input and
> > chassis I see only a couple of ohms but when I operate the ptt this goes up
> > 50 ohms (the grid swamp resistor?) so it appears and sounds as if the input
> > and antenna relays are working.
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> > To me it looks as if the input socket has gone bad. To get at it you have to
> > remove what I assume is the tube deck; I have no technical experience of
> > high power amplifiers and wonder if this is something I could reasonably
> > expect to check myself.
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> > Appreciate any help/advice.
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> > 73,
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> > Stewart Rolfe, GW0ETF
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> >
> >
> >
> >
> > __________ Information from ESET NOD32 Antivirus, version of virus signature
> > database 5666 (20101202) __________
> >
> > The message was checked by ESET NOD32 Antivirus.
> >
> > http://www.eset.com
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

3819. Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 20:49:11 UTC
From: stewart
Topic: 3812 Message: 3819

Sorry - wrong key pressed...

As I was trying to say, a few minutes with the lid off, the circuit diagram and a multimeter checking around the vacuum relay convinced me that everything was working 100% (and found out why the 1Mohm reading..;-)and that there was no reason why it *shouldn't* be working. The reason for my problem I discovered to be the centre pin of the patch lead PL259 in the RF IN socket was loose in the socket and not making good contact. Suspect I may have had a slightly oversized plug in there sometime and it has widened the receptacle in the socket by a tiny amount, but enough to give trouble. One advantage of N-types?

So both John and myself in the end were right but all is well now. Appreciate your support...

73,

Stewart, GW0ETF

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> Well John was right - sort of, and so was I - sort of...
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> > Thanks for the input.
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> > 73,
> >
> > Stewart, GW0ETF
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> > --- In acom-list@yahoogroups.com, "John Lemay" <john@> wrote:
> > >
> > > Stewart
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> > >
> > >
> > > My amplifier is a working version (!), and it also does no have DC
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> > >
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> > > You say you get infinite swr - where are you measuring this, on the drive
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> > > Suspect your patch lead first.
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> > > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> > > Of stewart
> > > Sent: 02 December 2010 13:32
> > > To: acom-list@yahoogroups.com
> > > Subject: [acom-list] Acom 1000 - faulty input SO259?
> > >
> > >
> > >
> > >
> > >
> > > Hi,
> > >
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> > > and antenna relays are working.
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> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

3820. Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-02 21:33:39 UTC
From: LA7SL Nils Petter
Topic: 3812 Message: 3820

That is a very common failure mode with PL259/SO239 (male/chassis female)
I have seen this problem many, many times !
I do not understand why the amateur market is still using them as a standard !
Another thing : Once upon a time it was called "UHF connector " ...
but 100Mhz was UHF at that time :-) - - - a PL259 is completely useless already
well below 70 cm !!
LA7SL
Proud owner of an Acom 2000A

----- Original Message -----
From: stewart
To: acom-list@yahoogroups.com
Sent: Thursday, December 02, 2010 9:49 PM
Subject: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Sorry - wrong key pressed...

As I was trying to say, a few minutes with the lid off, the circuit diagram and a multimeter checking around the vacuum relay convinced me that everything was working 100% (and found out why the 1Mohm reading..;-)and that there was no reason why it *shouldn't* be working. The reason for my problem I discovered to be the centre pin of the patch lead PL259 in the RF IN socket was loose in the socket and not making good contact. Suspect I may have had a slightly oversized plug in there sometime and it has widened the receptacle in the socket by a tiny amount, but enough to give trouble. One advantage of N-types?

So both John and myself in the end were right but all is well now. Appreciate your support...

73,

Stewart, GW0ETF

--- In acom-list@yahoogroups.com, "stewart" <gw0etf@...> wrote:
>
> Well John was right - sort of, and so was I - sort of...
> --- In acom-list@yahoogroups.com, "stewart" <gw0etf@> wrote:
> >
> > John, Bob,
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> > Patch leads were the first port of call. The circuit diagram in the handbook seems to indicate a straight through in standby (to the output relay at least) but it isn't that clear in and around the input area so may be a blocking cap in circuit there. The relays sound ok but no guarantee there's contact being made! In receive, and with a tested patch lead, sigs are heard but way down and the K3 indicates infinite swr txing through the amp in standby with a dummy load on the output.
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> > Thanks for the input.

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> > --- In acom-list@yahoogroups.com, "John Lemay" <john@> wrote:
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> > >
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> > > You say you get infinite swr - where are you measuring this, on the drive
> > > transceiver ?
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> > >
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> > > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> > > Of stewart
> > > Sent: 02 December 2010 13:32
> > > To: acom-list@yahoogroups.com
> > > Subject: [acom-list] Acom 1000 - faulty input SO259?
> > >
> > >
> > >
> > >
> > >
> > > Hi,
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> > > To me it looks as if the input socket has gone bad. To get at it you have to
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> > > Appreciate any help/advice.
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> > > Stewart Rolfe, GW0ETF
> > >
> > >
> > >
> > >
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> > > database 5666 (20101202) _____
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> > >
> > > http://www.eset.com
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

[Non-text portions of this message have been removed]

3821. RE: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 05:25:06 UTC
From: Kees - pa7two
Topic: 3812 Message: 3821

The most common problem is the 'type' of PL-259 connector used to hookup to the coax. In general, the cheap non teflon types are the onces with the non correct diameter. Buy Amphenol (R) silver plated or at least the teflon PL259 type connectors and do not end up the solder project with a massive large & over-sized blop of solder on the tip!

NOTE: Do not forget to solder the braid too!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: la7sl@...
Date: Thu, 2 Dec 2010 22:33:39 +0100
Subject: Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

That is a very common failure mode with PL259/SO239 (male/chassis female)

I have seen this problem many, many times !

I do not understand why the amateur market is still using them as a standard !

Another thing : Once upon a time it was called "UHF connector " ...

but 100Mhz was UHF at that time :-) - - - a PL259 is completely useless already

well below 70 cm !!

LA7SL

Proud owner of an Acom 2000A

----- Original Message -----

From: stewart

To: acom-list@yahoogroups.com

Sent: Thursday, December 02, 2010 9:49 PM

Subject: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Sorry - wrong key pressed...

As I was trying to say, a few minutes with the lid off, the circuit diagram and a multimeter checking around the vacuum relay convinced me that everything was working 100% (and found out why the 1Mohm reading..;-)and that there was no reason why it *shouldn't* be working. The reason for my problem I discovered to be the centre pin of the patch lead PL259 in the RF IN socket was loose in the socket and not making good contact. Suspect I

may have had a slightly oversized plug in there sometime and it has widened the receptacle in the socket by a tiny amount, but enough to give trouble. One advantage of N-types?

So both John and myself in the end were right but all is well now. Appreciate your support...

73,

Stewart, GW0ETF

--- In acom-list@yahoogroups.com, "stewart" <gw0etf@...> wrote:

>

> Well John was right - sort of, and so was I - sort of...

> --- In acom-list@yahoogroups.com, "stewart" <gw0etf@> wrote:

> >

> > John, Bob,

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> > Patch leads were the first port of call. The circuit diagram in the handbook seems to indicate a straight through in standby (to the output relay at least) but it isn't that clear in and around the input area so may be a blocking cap in circuit there. The relays sound ok but no guarantee there's contact being made! In receive, and with a tested patch lead, sigs are heard but way down and the K3 indicates infinite swr txing through the amp in standby with a dummy load on the output.

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> > Thanks for the input.

> >

> > 73,

> >

> > Stewart, GW0ETF

> >

> > --- In acom-list@yahoogroups.com, "John Lemay" <john@> wrote:

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> > >

> > >

> > > My amplifier is a working version (!), and it also does no have DC

> > > continuity between the input and output center pins. It sounds like you are

> > > in need of the circuit diagram.

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> > >

> > > You say you get infinite swr - where are you measuring this, on the drive

> > > transceiver ?

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> > >

> > >

> > > Suspect your patch lead first.

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> > >

> > >

> > > Regards

> > >

> > >

> > >

> > > John G4ZTR

> > >

> > >

> > >

> > > _____

> > >

> > > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

> > > Of stewart

> > > Sent: 02 December 2010 13:32

> > > To: acom-list@yahoogroups.com

> > > Subject: [acom-list] Acom 1000 - faulty input SO259?

> > >

> > >

> > >

> > >

> > >

> > > Hi,

> > >

> > > Last time I tried to operate through my Acom 1000 I got infinite swr whether

> > > the amp was on or off. A meter between the centre pins of input and output

> > > sockets shows high R in the region a Megohm; between the centre of input and

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> > > Appreciate any help/advice.

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> > >

> > > Stewart Rolfe, GW0ETF

> > >

> > >

> > >

> > >

> > >

> > > _____ Information from ESET NOD32 Antivirus, version of virus signature

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> > > http://www.eset.com

> > >

> > >

> > >

> > > [Non-text portions of this message have been removed]

> > >

> >

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3822. Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 06:15:53 UTC
From: Hans Remeeus
Topic: 3812 Message: 3822

Hello Nils,

I am "screeming" this for many many years. I really do not understand
why manufacturers still use those CB-plugs. Even very expensive rigs
like the IC-7800 have those kind of cheap connectors.

N-connector are much much better and the price is okay. I buy *new*
N-connectors of very respectable brands like Rosenberger and Suhner for
2 Euro (= $3).

When I am able to replace the CB-plug by a N-connector I do this with
every device that comes in my hands.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 2-12-2010 22:33, LA7SL Nils Petter schreef:
> That is a very common failure mode with PL259/SO239 (male/chassis female)
> I have seen this problem many, many times !
> I do not understand why the amateur market is still using them as a standard !
> Another thing : Once upon a time it was called "UHF connector " ...
> but 100Mhz was UHF at that time :-) - - - a PL259 is completely useless already
> well below 70 cm !!
> LA7SL
> Proud owner of an Acom 2000A
>
>

[Non-text portions of this message have been removed]

3823. Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 06:27:29 UTC
From: Hans Remeeus
Topic: 3812 Message: 3823

Hello Stewart,

September 7th 2009 I wrote the underneath message in this Acom group:

The SO239 connectors I have in my 2000A are of bad quality. The hole is
too wide for the pin of the PL259 connector. This sometimes causes an
arcing failure, while switching from receive to transmit and the other way.

N-connectors are better from different points of view:
They fit and close better.
You have less change for dirt or dust in the hole.
Their isolation is better.
They have a better and steady 50 Ohm impedance.

Nowadays the N-type connectors are not much more expensive then the
SO239 connectors. For brand new Rosenberger or Suhner N chassis
connectors we pay 2 euro. The N-type cable connectors perhaps are 2 or 3
euro more expensive then the PL259.

When you find it difficult to replace the SO239 by N-types, then use
good PL259 (e.g. from Amphenol) connectors who have a bit bigger pin
(larger in diameter). I only use this type connector (PL-7 Clamp), which
is of excellent quality:
http://www.kabel-kusch.de/UHF-Stecker/pl-7-cl.htm
http://www.kabel-kusch.de/Montagen/PL-7-Clamp/montage_pl_7.htm

I advice other users to check their connectors. They are very important
parts of the transmitting circuit! The chain is as strong as its weakest
part...

73,

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 2-12-2010 21:49, stewart schreef:
> Sorry - wrong key pressed...
>
> As I was trying to say, a few minutes with the lid off, the circuit diagram and a
multimeter checking around the vacuum relay convinced me that everything was working 100%
(and found out why the 1Mohm reading..;-)and that there was no reason why it *shouldn't* be
working. The reason for my problem I discovered to be the centre pin of the patch lead
PL259 in the RF IN socket was loose in the socket and not making good contact. Suspect I
may have had a slightly oversized plug in there sometime and it has widened the receptacle
in the socket by a tiny amount, but enough to give trouble. One advantage of N-types?

>
> So both John and myself in the end were right but all is well now. Appreciate your support...
>
> 73,
>
> Stewart, GW0ETF
>

[Non-text portions of this message have been removed]

3824. RE: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 06:35:02 UTC
From: Kees - pa7two
Topic: 3812 Message: 3824

Hans,

Reason why is pretty simple, the SO259 connector is bombarded over time as an international 'standard' on almost every radio, amp etc. If the connection (solder both pin and braid, correct cut coax lengths etc) is done properly and an high quality 259 connector is used, all is very much OK for HF usage. Even on higher power like a KW or so.

Of course, using N type connector is much better. I use high quality BNC connectors for almost every connection I have in the shack. Easy to mount/unmount, solid and can handle high RF without any problem. The coax I use for such connections is double shielded teflon coax + ferrite rings to the HF filters, short lengths.

One often forgotten fact: The BNC is inside, dimension wise, an N connector :-)

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: hans@...
Date: Fri, 3 Dec 2010 07:15:53 +0100
Subject: Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Hello Nils,

I am "screeming" this for many many years. I really do not understand

why manufacturers still use those CB-plugs. Even very expensive rigs

like the IC-7800 have those kind of cheap connectors.

N-connector are much much better and the price is okay. I buy *new*

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http://www.remeeus.eu

http://www.hansremeeus.nl

Communication is about people, the rest is technology.

Op 2-12-2010 22:33, LA7SL Nils Petter schreef:

> That is a very common failure mode with PL259/SO239 (male/chassis female)

> I have seen this problem many, many times !

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> Another thing : Once upon a time it was called "UHF connector " ...

> but 100Mhz was UHF at that time :-) - - - a PL259 is completely useless already

> well below 70 cm !!

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> Proud owner of an Acom 2000A

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3825. RE: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 10:30:13 UTC
From: John Lemay
Topic: 3812 Message: 3825

Stewart said : "One advantage of N-types?"

I'm not so sure. I hear stories of people fumbling around the back of a multiband rig and trying very hard to put a PL-259 into an N type socket. The results can be dire.

Care is needed when soldering a 259 to ensure that a blob of solder is not left on the outside of the pin. This would have the affect that you describe.

Regards

John G4ZTR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of stewart
Sent: 02 December 2010 20:49
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Sorry - wrong key pressed...

As I was trying to say, a few minutes with the lid off, the circuit diagram and a multimeter checking around the vacuum relay convinced me that everything was working 100% (and found out why the 1Mohm reading..;-)and that there was no reason why it *shouldn't* be working. The reason for my problem I discovered to be the centre pin of the patch lead PL259 in the RF IN socket was loose in the socket and not making good contact. Suspect I may have had a slightly oversized plug in there sometime and it has widened the receptacle in the socket by a tiny amount, but enough to give trouble. One advantage of N-types?

So both John and myself in the end were right but all is well now.
Appreciate your support...

73,

Stewart, GW0ETF

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> > >
> > >
> > > John G4ZTR
> > >
> > >
> > >
> > > _____
> > >

> > > From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
> > > Of stewart
> > > Sent: 02 December 2010 13:32
> > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > > Subject: [acom-list] Acom 1000 - faulty input SO259?
> > >
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> > > http://www.eset.com
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> > > [Non-text portions of this message have been removed]
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_____ Information from ESET NOD32 Antivirus, version of virus signature database 5668 (20101202) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

3826. Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 10:38:46 UTC
From: Hans Remeeus
Topic: 3812 Message: 3826

"Fumbling around" is never wise to do ;-)

Of course you have to be carefull, even when replacing the SO-239 into
an N-connector.

I am preparing my Acom 2000A to replace the two SO-239's by N-type. I
will make photo's of this job and put them on my internetsite.

My brandnew Yaesu FTdx5000D has to wait ;-)

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 11:30, John Lemay schreef:
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> _____
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of stewart
> Sent: 02 December 2010 20:49

> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 1000 - faulty input SO259? - solved
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>
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> As I was trying to say, a few minutes with the lid off, the circuit diagram
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

3827. Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 10:59:26 UTC
From: Martin Andrew
Topic: 3812 Message: 3827

Replaced all 'screened wander' sockets on all radio's and an Acom-1000 with 'N' types.
The input socket on the 1000 are easy to do, the output takes a little more care.
Most radios have a two fixing hole socket but managed to get hold of twelve off E-bay
and replaced all the radio sockets. the only remaining on is on an Icom IC-706 HF output
but leaving this one so I can remember how horrible they were.

Martin, GM6VXB, VHF only

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com
Sent: Friday, December 03, 2010 10:38 AM
Subject: Re: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

"Fumbling around" is never wise to do ;-)

Of course you have to be carefull, even when replacing the SO-239 into
an N-connector.

I am preparing my Acom 2000A to replace the two SO-239's by N-type. I
will make photo's of this job and put them on my internetsite.

My brandnew Yaesu FTdx5000D has to wait ;-)

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> Sent: 02 December 2010 20:49
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 1000 - faulty input SO259? - solved
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> Yahoo! Groups Links
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3828. RE: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 12:21:22 UTC
From: Bob Naumann
Topic: 3812 Message: 3828

G4ZTR said: " Care is needed when soldering a 259 to ensure that a blob of solder is not
left on the outside of the pin. This would have the affect that you describe".

Precisely. It is not the fault of the SO-239 that the person soldering the PL-259 did a poor job which in turn damaged the SO-239.

SO-239's can work perfectly and last for decades if not damaged.

Oh, and Type N's that are *not assembled properly* fail more easily than SO-239/PL-259.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of John Lemay
Sent: Friday, December 03, 2010 4:30 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Stewart said : "One advantage of N-types?"

I'm not so sure. I hear stories of people fumbling around the back of a multiband rig and trying very hard to put a PL-259 into an N type socket. The results can be dire.

Care is needed when soldering a 259 to ensure that a blob of solder is not left on the outside of the pin. This would have the affect that you describe.

Regards

John G4ZTR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of stewart
Sent: 02 December 2010 20:49
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 - faulty input SO259? - solved

Sorry - wrong key pressed...

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So both John and myself in the end were right but all is well now. Appreciate your support...

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

3829. PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 13:36:02 UTC
From: Hal Kennedy
Topic: 3829 Message: 3829

Thought I would toss my 2 cents in.

Type N is superior in my book - meanwhile everything here is type UHF and I have no problems "anymore."

When I moved to Andrew 3/8" Heliax I got a real lesson in PL-259s. A PL-259 should slip onto 3/8" Heliax. Only one brand will: Amphenol. All the other cheap PL-259s I have bought over the years have smaller ID and OD center pins. The ID of the center pin should be 1/8" but it only is on Amphenol connectors.

On SO-239s it's the same. I repair a lot of Ameritrons for friends - I usually just start by replacing both SO-239s with new Amphenols no matter what is wrong with the amp - they use junk and you can be assured a loose fit. A junk SO-239 and a cheap PL-259 will give you intermittent connections just about every time. They are temperature sensitive (particularly outside) as well, and get worse as the temperature goes down.

"Amphenol or not at all."

The other really bad hardware are the TEE and 90 degree ell UHF connectors. Anything other than Amphenol usually fails at a KW - catastrophically. I prefer not to use these - even Amphenol - if at all possible. I have several Amphenol TEE connectors in the station that have done fine at 1.5 KW - I threw away my non-Amphenols (not something you would give to a friend).

Best 73,
Hal N4GG

3830. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 14:30:17 UTC
From: Hans Remeeus
Topic: 3829 Message: 3830

Hello Hal,

Very good advise to avoid any T and 90 degrees connectors. We have opened some of the 90 degrees connectors once and noticed the little feather... My goodness, what a junk this is. Such connectors should be worldwide forbidden/prohibited to use.

"Amphenol or not at all". Mmmmm... Did you every try the PL-7 connectors?

http://www.kabel-kusch.de/UHF-Stecker/pl-7-cl.htm

Please try and you will replace all your Amphenol with this kind of connectors. I am convinced. Those connectors really are much much better!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 14:36, Hal Kennedy schreef:
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> and OD center pins. The ID of the center pin should be 1/8" but it only
> is on Amphenol connectors.
>
> On SO-239s it's the same. I repair a lot of Ameritrons for friends - I
> usually just start by replacing both SO-239s with new Amphenols no
> matter what is wrong with the amp - they use junk and you can be assured
> a loose fit. A junk SO-239 and a cheap PL-259 will give you
> intermittent connections just about every time. They are temperature
> sensitive (particularly outside) as well, and get worse as the
> temperature goes down.
>
> "Amphenol or not at all."
>
> The other really bad hardware are the TEE and 90 degree ell UHF
> connectors. Anything other than Amphenol usually fails at a KW -
> catastrophically. I prefer not to use these - even Amphenol - if at all
> possible. I have several Amphenol TEE connectors in the station that

> have done fine at 1.5 KW - I threw away my non-Amphenols (not something
> you would give to a friend).
>
> Best 73,
> Hal N4GG
>
>
>

[Non-text portions of this message have been removed]

3831. RE: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 14:41:54 UTC
From: Hal Kennedy
Topic: 3829 Message: 3831

Hello Hans,

The PL-7 is new to me but it looks very good! I hope the dimensions of the center pin are correct..I would like to find a few in the US and make a few tests.

Best 73,
Hal N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hans Remeeus
Sent: Friday, December 03, 2010 9:30 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] PLs and SOs

Hello Hal,

Very good advise to avoid any T and 90 degrees connectors. We have opened some of the 90 degrees connectors once and noticed the little feather... My goodness, what a junk this is. Such connectors should be worldwide forbidden/prohibited to use.

"Amphenol or not at all". Mmmmm... Did you every try the PL-7 connectors?

http://www.kabel-kusch.de/UHF-Stecker/pl-7-cl.htm

Please try and you will replace all your Amphenol with this kind of connectors. I am convinced. Those connectors really are much much better!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 14:36, Hal Kennedy schreef:
> Thought I would toss my 2 cents in.
>
> Type N is superior in my book - meanwhile everything here is type UHF
> and I have no problems "anymore."
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> matter what is wrong with the amp - they use junk and you can be
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> a loose fit. A junk SO-239 and a cheap PL-259 will give you
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> sensitive (particularly outside) as well, and get worse as the
> temperature goes down.
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> connectors. Anything other than Amphenol usually fails at a KW -
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> possible. I have several Amphenol TEE connectors in the station that
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> you would give to a friend).
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> Best 73,
> Hal N4GG
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>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3832. RE: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 14:54:48 UTC
From: Howard K2HK
Topic: 3829 Message: 3832

Hans and Hal,
They look very nice. I would like to jump in on this one. If a source becomes available I would like to participate. Possibly a bulk purchase from a European supplier make be most economical.

Howard..K2HK

To: acom-list@yahoogroups.com
From: halken@...
Date: Fri, 3 Dec 2010 09:41:54 -0500
Subject: RE: [acom-list] PLs and SOs

Hello Hans,

The PL-7 is new to me but it looks very good! I hope the dimensions of

the center pin are correct..I would like to find a few in the US and

make a few tests.

Best 73,

Hal N4GG

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

Behalf Of Hans Remeeus

Sent: Friday, December 03, 2010 9:30 AM

To: acom-list@yahoogroups.com

Subject: Re: [acom-list] PLs and SOs

Hello Hal,

Very good advise to avoid any T and 90 degrees connectors. We have

opened some of the 90 degrees connectors once and noticed the little

feather... My goodness, what a junk this is. Such connectors should be

worldwide forbidden/prohibited to use.

"Amphenol or not at all". Mmmmm... Did you every try the PL-7

connectors?

http://www.kabel-kusch.de/UHF-Stecker/pl-7-cl.htm

Please try and you will replace all your Amphenol with this kind of

connectors. I am convinced. Those connectors really are much much

better!

73,

Hans Remeeus (PA1HR)

http://www.remeeus.eu

http://www.hansremeeus.nl

Communication is about people, the rest is technology.

Op 3-12-2010 14:36, Hal Kennedy schreef:

> Thought I would toss my 2 cents in.

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> Type N is superior in my book - meanwhile everything here is type UHF

> and I have no problems "anymore."

>

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> is on Amphenol connectors.

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> matter what is wrong with the amp - they use junk and you can be

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> a loose fit. A junk SO-239 and a cheap PL-259 will give you

> intermittent connections just about every time. They are temperature

> sensitive (particularly outside) as well, and get worse as the

> temperature goes down.

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> The other really bad hardware are the TEE and 90 degree ell UHF

> connectors. Anything other than Amphenol usually fails at a KW -

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> Hal N4GG

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>

[Non-text portions of this message have been removed]

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3833. RE: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 14:55:10 UTC
From: Kees - pa7two
Topic: 3829 Message: 3833

I doubt if that is the case what is described below. By this type of connector the metal shiney part that slides in between the dielectric and the braid seems too small in size. Look at the pics presented, the rubber sleeve is way to small in size too. One pull on the coax-cable and you have the coax cable in your hand, or only the inner conductor is still inside the connector... Not sure what the brand is, likely Chinese rubbish sold for an excessive price. Instead, search for brand 'Greenpar' if you like this kinda pressure connectors. The part that slides between the dielectric and braid is at least 5mm longer in size compared to the presented, and so is the black rubber sleeve. Holding the bread much better tightened to ensure a proper 'earth' connection.

So i.m.h.o., if an 259 Amphenol connector has to be used, use an Amphenol connector. The Silver plated version. Still available by many shops.

Note 1: One instruction listed in many how-to-manuals for pressure type connectors: Do not use too much force on the tools while mounting the parts together, the black sleeve has to do its job but much remain flexible. Between the 'nut' and connector body keep at least 1-2 mm space and make sure to check every 6 months is the two connector parts are still tightened.

Note 2: OM Hal did not describe "Do not use 90 degrees connectors". Instead, what Hal described is use only high quality brand Amphenol, which I fully agree on.

BTW I wonder what someone on this reflector meant a 'feather' inside his connector, does he breed birds inside his obsessively abandoned PL259 connectors or something? Weird!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: hans@...
Date: Fri, 3 Dec 2010 15:30:17 +0100
Subject: Re: [acom-list] PLs and SOs

Hello Hal,

Very good advise to avoid any T and 90 degrees connectors. We have

opened some of the 90 degrees connectors once and noticed the little

feather... My goodness, what a junk this is. Such connectors should be

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"Amphenol or not at all". Mmmmm... Did you every try the PL-7 connectors?

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>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3834. RE: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 15:11:51 UTC
From: Hal Kennedy
Topic: 3829 Message: 3834

Thanks for the insight Kees. The Amphenol connectors I like are still $3.50 in the US (sometimes cheaper) - money well spent. They are silver plated, Teflon insulation and come in a sealed plastic bag. The bag is filled with dry nitrogen - it keeps the connector and silver perfect and ready to solder with no effort until use.

I believe the feather referred to is a light spring type "connection" that typically won't handle power. The Amphenol 90 ell and TEE have the center pin threaded internally for a solid connection and usually work just fine. 90 Ells seem to be the worst of all UHF connectors. I have seen SWR creep up and then burned my hand on several at 1 KW....none of those were Amphenol.

Best of the Holidaze everyone. I hope to see you on 160 this weekend.
73
Hal N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, December 03, 2010 9:55 AM
To: ACOM Reflector site
Subject: RE: [acom-list] PLs and SOs

I doubt if that is the case what is described below. By this type of connector the metal shiney part that slides in between the dielectric and the braid seems too small in size. Look at the pics presented, the rubber sleeve is way to small in size too. One pull on the coax-cable and you have the coax cable in your hand, or only the inner conductor is still inside the connector... Not sure what the brand is, likely Chinese rubbish sold for an excessive price. Instead, search for brand 'Greenpar' if you like this kinda pressure connectors. The part that slides between the dielectric and braid is at least 5mm longer in size compared to the presented, and so is the black rubber sleeve. Holding the bread much better tightened to ensure a proper 'earth' connection.

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Note 2: OM Hal did not describe "Do not use 90 degrees connectors".
Instead, what Hal described is use only high quality brand Amphenol,
which I fully agree on.

BTW I wonder what someone on this reflector meant a 'feather' inside his
connector, does he breed birds inside his obsessively abandoned PL259
connectors or something? Weird!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

---------snip--------

3835. RE: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 15:18:30 UTC
From: Kees - pa7two
Topic: 3829 Message: 3835

You're welcome Hal.

Damned Dutch spelling checker ruined my previous message text, so I replaced some of the my text below in the email tail.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: halken@...
Date: Fri, 3 Dec 2010 10:11:51 -0500
Subject: RE: [acom-list] PLs and SOs

Thanks for the insight Kees. The Amphenol connectors I like are still

$3.50 in the US (sometimes cheaper) - money well spent. They are silver

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that typically won't handle power. The Amphenol 90 ell and TEE have the

center pin threaded internally for a solid connection and usually work

just fine. 90 Ells seem to be the worst of all UHF connectors. I have

seen SWR creep up and then burned my hand on several at 1 KW....none of

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Best of the Holidaze everyone. I hope to see you on 160 this weekend.

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Hal N4GG

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From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

Behalf Of Kees - pa7two

Sent: Friday, December 03, 2010 9:55 AM

To: ACOM Reflector site

Subject: RE: [acom-list] PLs and SOs

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AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

---------snip--------

[Non-text portions of this message have been removed]

3836. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 16:31:15 UTC
From: Hans Remeeus
Topic: 3829 Message: 3836

Hello Hal,

These PL-7 connectors are of excellent quality! The center pin is gold plated. The insulation is teflon. The construction raelly is excellent! I use a lot of these connectors for many years. Many others use the PL-7 connector and I have never heard about a problem, complaint or dissatisfaction.

As you can see on the internet site of Kabel Kusch the PL-7 connectors protect very well against moist (damp?), dirt, dust, etcetera. It is about the same construction as N-connectors. Amongst other things due to the rubber ring inside the connector. All the other UHF-connectors, Amphenol included, have no such protection.

I apologize for my bad English. It is not my maiden language; it is Dutch.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 15:41, Hal Kennedy schreef:
> Hello Hans,
>
> The PL-7 is new to me but it looks very good! I hope the dimensions of
> the center pin are correct..I would like to find a few in the US and
> make a few tests.
>
> Best 73,
> Hal N4GG
>
>

[Non-text portions of this message have been removed]

3837. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 16:38:27 UTC
From: Hans Remeeus
Topic: 3829 Message: 3837

Hello Hal,

With feather I meant spring.

I apologize for my bad English. It is not my maiden language; it is Dutch.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 16:11, Hal Kennedy schreef:
> I believe the feather referred to is a light spring type "connection"
> that typically won't handle power. The Amphenol 90 ell and TEE have the
> center pin threaded internally for a solid connection and usually work
> just fine. 90 Ells seem to be the worst of all UHF connectors. I have
> seen SWR creep up and then burned my hand on several at 1 KW....none of
> those were Amphenol.
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> Best of the Holidaze everyone. I hope to see you on 160 this weekend.
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> Hal N4GG
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[Non-text portions of this message have been removed]

3838. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 16:55:44 UTC
From: Hans Remeeus
Topic: 3829 Message: 3838

Hello Howard,

Tomorrow I will visit the Ham Radio Market in Dortmund/Germany and will
ask mr. Kusch if and so where in the US you can obtain those connectors.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 15:54, Howard K2HK schreef:
> Hans and Hal,
> They look very nice. I would like to jump in on this one. If a source becomes available I would like to participate. Possibly a bulk purchase from a European supplier make be most economical.
>
> Howard..K2HK
>

[Non-text portions of this message have been removed]

3839. RE: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 17:28:50 UTC
From: Kees - pa7two
Topic: 3829 Message: 3839

In example a goldplated inner 'pin' versus a Silver plated SO259 is not that good. Preferable both connectors should be of the same material. So, if the coax and chassis connector are of the same brand Amphenol, both the SO259 and PL259 are silver plated. One of the very best materials for HF type connectors.

PS: English isn't my native language either, as one likely has noticed :-) (Although I passed some English based exams with flying colors HA HI :-)

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: hans@...
Date: Fri, 3 Dec 2010 17:31:15 +0100
Subject: Re: [acom-list] PLs and SOs

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plated. The insulation is teflon. The construction raelly is excellent!

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Hans Remeeus (PA1HR)

http://www.remeeus.eu

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> Best 73,

> Hal N4GG

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>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3840. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-03 17:31:51 UTC
From: Pete F5VNB
Topic: 3829 Message: 3840

I use this type of connector on both my RG213 and Ecoflex 15 feeders,
both inside and outside, taped and waterproofed, on the tower.
They are of excellent quality.

73, Pete F5VNB

On 03/12/2010 17:31, Hans Remeeus wrote:
>
> Hello Hal,
>
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> plated. The insulation is teflon. The construction raelly is excellent!
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> > Best 73,
> > Hal N4GG
> >
> >
>
> [Non-text portions of this message have been removed]
>
>

3841. Acom as art

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-04 09:56:32 UTC
From: stewart
Topic: 3841 Message: 3841

Tracing the cause of my recent SO259 socket problems required the covers of my Acom 1000 to come off. I have to say the innards of this amp are an awesome example of rf engineering; to me it's a work of art and I could look at it for hours.

Wouldn't it be nice if science came up with a material which is transparent like perspex but rf opaque like metal; then the covers on kit like this could be see-through, revealing it's beauty for all to see. Would you buy a Van Gogh and hang it behind a cupboard?

In the Guggenheim museum in Venice last year I came across an exhibit in the 3D (I think) section worth probably in the hundreds of thousands of euros. It was a shallow wooden box about 60cm square in which a few dozen 1940-1960 style surplus variable capacitors, or more correctly condensers, had been arranged in orthogonal patterns. Looked very striking but I did think 'I could have done that...' I suppose the value is just having the idea!

73,

Stewart, GW0ETF

3842. Acom as art

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-04 19:22:38 UTC
From: W1JCW
Topic: 3841 Message: 3842

A clear case would look real nice.

I build and fix PC and the cases are getting more transparent and they do have all clear cases as well.
I like to see the stuff running inside, a few lights are cool its nice to see the fans running as they should even though
you can check the BIOS to see your rpm and temps.

I am waiting on my first Acom 2000a and cannot wait to have it in line and running like a champ.

73-
W1JCW
John

From: stewart
Sent: Saturday, December 04, 2010 3:56 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom as art

Tracing the cause of my recent SO259 socket problems required the covers of my Acom 1000 to come off. I have to say the innards of this amp are an awesome example of rf engineering; to me it's a work of art and I could look at it for hours.

Wouldn't it be nice if science came up with a material which is transparent like perspex but rf opaque like metal; then the covers on kit like this could be see-through, revealing it's beauty for all to see. Would you buy a Van Gogh and hang it behind a cupboard?

In the Guggenheim museum in Venice last year I came across an exhibit in the 3D (I think) section worth probably in the hundreds of thousands of euros. It was a shallow wooden box about 60cm square in which a few dozen 1940-1960 style surplus variable capacitors, or more correctly condensers, had been arranged in orthogonal patterns. Looked very striking but I did think 'I could have done that...' I suppose the value is just having the idea!

73,

Stewart, GW0ETF

[Non-text portions of this message have been removed]

3843. RE: [acom-list] Acom as art

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-04 19:59:14 UTC
From: Kees - pa7two
Topic: 3841 Message: 3843

You gents are forgetting an extremely important point here. The metal casing of the amps are there for a very valid reason... It shields the RF to the 'outside' which is generated in the amp itself!

Have fun with the Acom 2000A John!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: w1jcw@...
Date: Sat, 4 Dec 2010 13:22:38 -0600
Subject: [acom-list] Acom as art

A clear case would look real nice.

I build and fix PC and the cases are getting more transparent and they do have all clear cases as well.

I like to see the stuff running inside, a few lights are cool its nice to see the fans running as they should even though

you can check the BIOS to see your rpm and temps.

I am waiting on my first Acom 2000a and cannot wait to have it in line and running like a champ.

73-

W1JCW

John

From: stewart

Sent: Saturday, December 04, 2010 3:56 AM

To: acom-list@yahoogroups.com

Subject: [acom-list] Acom as art

Tracing the cause of my recent SO259 socket problems required the covers of my Acom 1000 to come off. I have to say the innards of this amp are an awesome example of rf engineering; to me it's a work of art and I could look at it for hours.

Wouldn't it be nice if science came up with a material which is transparent like perspex but rf opaque like metal; then the covers on kit like this could be see-through, revealing

it's beauty for all to see. Would you buy a Van Gogh and hang it behind a cupboard?

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73,

Stewart, GW0ETF

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3844. Re: [acom-list] Acom as art

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-04 20:06:49 UTC
From: Brian Alsop
Topic: 3841 Message: 3844

For those who might be interested in the ACOM-1000 as art or use, I have one FS. Completed 6M DXCC and replaced it with a 2000.

73 de Brian/K3KO
Henderson, NC

On 12/4/2010 19:59, Kees - pa7two wrote:
>
> You gents are forgetting an extremely important point here. The metal casing of the amps are there for a very valid reason... It shields the RF to the 'outside' which is generated in the amp itself!
>
> Have fun with the Acom 2000A John!
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
>
> To: acom-list@yahoogroups.com
> From: w1jcw@...
> Date: Sat, 4 Dec 2010 13:22:38 -0600
> Subject: [acom-list] Acom as art
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> A clear case would look real nice.
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> I build and fix PC and the cases are getting more transparent and they do have all clear cases as well.
>
> I like to see the stuff running inside, a few lights are cool its nice to see the fans running as they should even though
>
> you can check the BIOS to see your rpm and temps.
>
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>
> I am waiting on my first Acom 2000a and cannot wait to have it in line and running like a champ.
>
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>
> 73-
>
> W1JCW
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> John
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>
> From: stewart
>
> Sent: Saturday, December 04, 2010 3:56 AM
>
> To: acom-list@yahoogroups.com
>
> Subject: [acom-list] Acom as art
>
>
>
> Tracing the cause of my recent SO259 socket problems required the covers of my Acom 1000 to come off. I have to say the innards of this amp are an awesome example of rf engineering; to me it's a work of art and I could look at it for hours.
>

>
>
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>
>
>
> In the Guggenheim museum in Venice last year I came across an exhibit in the 3D (I think) section worth probably in the hundreds of thousands of euros. It was a shallow wooden box about 60cm square in which a few dozen 1940-1960 style surplus variable capacitors, or more correctly condensers, had been arranged in orthogonal patterns. Looked very striking but I did think 'I could have done that...' I suppose the value is just having the idea!
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> 73,
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> Stewart, GW0ETF
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> Yahoo! Groups Links

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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1170 / Virus Database: 426/3296 - Release Date: 12/04/10
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>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1170 / Virus Database: 426/3296 - Release Date: 12/04/10

3845. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-05 07:43:36 UTC
From: Hans Remeeus
Topic: 3829 Message: 3845

Hello Hal,

Yesterday I asked Kusch what about a dealership (or something like that) in the US, but they have not and will not do that. They are a small family company and have no plans for international extension/growth/accretion (I don't know the right English word).

However; their PL-7 and UHF-connectors are no subject to patent, so any company in the world can make (themselve or by others) such connectors. E.g. Array Solutions, DX Engineering or ?.

Of course Kusch is kindly willing to handle international orders and send the connector(s) to you.

I hope this is of any help.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-12-2010 15:41, Hal Kennedy schreef:
> Hello Hans,
>
> The PL-7 is new to me but it looks very good! I hope the dimensions of
> the center pin are correct..I would like to find a few in the US and
> make a few tests.
>
> Best 73,
> Hal N4GG
>
>

[Non-text portions of this message have been removed]

3846. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-05 11:03:02 UTC
From: G3WPF
Topic: 3829 Message: 3846

I think something similar may be found at
http://uk.farnell.com/jsp/search/productdetail.jsp?SKU=1169714 and
http://www.whwestlake.co.uk/ (ref high quality with PS gland). If you search on the part number you will find a couple of outlets in the USA but may be cheaper via Westlake.

73

Reg G3WPF

From: Hans Remeeus
Sent: Sunday, December 05, 2010 7:43 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] PLs and SOs

Hello Hal,

Yesterday I asked Kusch what about a dealership (or something like that) in the US, but they have not and will not do that. They are a small family company and have no plans for international extension/growth/accretion (I don't know the right English word).

However; their PL-7 and UHF-connectors are no subject to patent, so any company in the world can make (themselve or by others) such connectors. E.g. Array Solutions, DX Engineering or ?.

Of course Kusch is kindly willing to handle international orders and send the connector(s) to you.

I hope this is of any help.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
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Op 3-12-2010 15:41, Hal Kennedy schreef:
> Hello Hans,
>
> The PL-7 is new to me but it looks very good! I hope the dimensions of
> the center pin are correct..I would like to find a few in the US and
> make a few tests.
>
> Best 73,
> Hal N4GG
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3847. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-05 11:11:44 UTC
From: Hans Remeeus
Topic: 3829 Message: 3847

Hello Reg,

I am afraid that this connector is quite different from the one which
Kusch is selling.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 5-12-2010 12:03, G3WPF schreef:
> I think something similar may be found at
http://uk.farnell.com/jsp/search/productdetail.jsp?SKU=1169714 and
http://www.whwestlake.co.uk/ (ref high quality with PS gland). If you search on the part number you will find a couple of outlets in the USA but may be cheaper via Westlake.
>
> 73
>
> Reg G3WPF
>

[Non-text portions of this message have been removed]

3848. Re: [acom-list] PLs and SOs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-05 15:18:14 UTC
From: G3WPF
Topic: 3829 Message: 3848

Yes Hans.

I am sure you are correct. I should have made it clear I was referring to some other plugs, not requiring to solder the braid, which may be more easily accessible if it was difficult to source Kusch.

73

Reg G3WPF
From: Hans Remeeus
Sent: Sunday, December 05, 2010 11:11 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] PLs and SOs

Hello Reg,

I am afraid that this connector is quite different from the one which
Kusch is selling.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 5-12-2010 12:03, G3WPF schreef:
> I think something similar may be found at
http://uk.farnell.com/jsp/search/productdetail.jsp?SKU=1169714 and
http://www.whwestlake.co.uk/ (ref high quality with PS gland). If you search on the part number you will find a couple of outlets in the USA but may be cheaper via Westlake.
>
> 73
>
> Reg G3WPF
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3849. Re: Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-14 16:43:24 UTC
From: W1JCW
Topic: 3849 Message: 3849

Has anyone have this tool working with their 2000a ?

I have the program installed with win 7, I have com 3 setup but need to confirm the cable is correct.

Does the cable need to be null modem, straight ?
what is the pin out ??

I cannot read any info from the amp plugged in. The program says port is in use when nothing
is connect to the assigned port.

Does this program support win 7 ?

73-
W1JCW
John

[Non-text portions of this message have been removed]

3850. Re: [acom-list] Re: Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-14 17:00:18 UTC
From: Barry N1EU
Topic: 3849 Message: 3850

The Acom Tools program hasn't been supported for a few years.

73, Barry N1EU

On Tue, Dec 14, 2010 at 4:43 PM, W1JCW <w1jcw@...> wrote:

>
>
>
> Has anyone have this tool working with their 2000a ?
>
> I have the program installed with win 7, I have com 3 setup but need to
> confirm the cable is correct.
>
> Does the cable need to be null modem, straight ?
> what is the pin out ??
>
> I cannot read any info from the amp plugged in. The program says port is in
> use when nothing
> is connect to the assigned port.
>
> Does this program support win 7 ?
>
> 73-
> W1JCW
> John
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

3851. RE: [acom-list] Re: Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-14 17:22:07 UTC
From: Ron NØAT
Topic: 3849 Message: 3851

The cable needs to be exactly what is specified. I believe it is only the TX, RX and GND connections, I can☐t remember the specifics. Acom uses some of the other pins to bring out voltages/signals that cannot be shorted out.

I used the Acom tools program with Writelog and my Windows XP computer. It worked just fine.

Now I upgraded my computer to Windows 7, and installed the Acom tools program. The interface works, as I can use the GUI to monitor the Acom.

I don☐t know for sure if the program works with Writelog as I had a few instances where Writelog occasionally locked up. I stopped using Acom tools and the lockups were greatly reduced.

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W1JCW
Sent: Tuesday, December 14, 2010 10:43
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom tools installation

Has anyone have this tool working with their 2000a ?

I have the program installed with win 7, I have com 3 setup but need to confirm the cable is correct.

Does the cable need to be null modem, straight ?
what is the pin out ??

I cannot read any info from the amp plugged in. The program says port is in use when nothing
is connect to the assigned port.

Does this program support win 7 ?

73-
W1JCW
John

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3852. New Yahoo Ham Radio Group

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-14 18:17:42 UTC
From: nmbsun1
Topic: 3852 Message: 3852

This is the place to come to if you dont like censorship.

http://groups.yahoo.com/group/Ham-Radio-Uncensored/

3853. Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-14 18:30:02 UTC
From: W1JCW
Topic: 3849 Message: 3853

Can you send me your pin out ??

I heard it is null modem ?

73-
W1JCW
John

From: Ron NØAT
Sent: Tuesday, December 14, 2010 11:22 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Acom tools installation

The cable needs to be exactly what is specified. I believe it is only the TX, RX and GND connections, I can□t remember the specifics. Acom uses some of the other pins to bring out voltages/signals that cannot be shorted out.

I used the Acom tools program with Writelog and my Windows XP computer. It worked just fine.

Now I upgraded my computer to Windows 7, and installed the Acom tools program. The interface works, as I can use the GUI to monitor the Acom.

I don□t know for sure if the program works with Writelog as I had a few instances where Writelog occasionally locked up. I stopped using Acom tools and the lockups were greatly reduced.

73 de Ron NØAT

[Non-text portions of this message have been removed]

3854. Re: Acom interface programs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 03:23:16 UTC
From: W1JCW
Topic: 3854 Message: 3854

What other programs do you guys use to view the Acom stats and usage besides acom tools ??

Someone mentioned something from Flex ??

73-
W1JCW
john

[Non-text portions of this message have been removed]

3855. Re: [acom-list] Re: Acom interface programs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 04:37:43 UTC
From: Natale Borghetti
Topic: 3854 Message: 3855

John

I am using Trx-Manager, it is a complete Program that include also a
beautiful program that interface with Acom 2000.

Look at www.trx-manager.com

73

Natale

----- Original Message -----
From: "W1JCW" <w1jcw@...>
To: <acom-list@yahoogroups.com>
Sent: Wednesday, December 15, 2010 5:23
Subject: [acom-list] Re: Acom interface programs

> What other programs do you guys use to view the Acom stats and usage
> besides acom tools ??
>
> Someone mentioned something from Flex ??
>
> 73-
> W1JCW
> john
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3856. AW: [acom-list] Re: Acom interface programs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 06:19:46 UTC
From: Markus Schleutermann
Topic: 3854 Message: 3856

Hi John

There are two possible solutions for software control of an ACOM2000

TRX-Manager: contains a special software called ACOM CONTROL
There is another Software called DDUTIL, offering control over the most important parts oft he linear.

But the software control part of the acom-firmware is lousy, operation is not reliable. For my remote stations I took a webcam to view the display and put web-controlled relays parallel to the push buttons of the remote control. Simple and easy, but it works !

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von W1JCW
Gesendet: Mittwoch, 15. Dezember 2010 04:23
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: Acom interface programs

What other programs do you guys use to view the Acom stats and usage besides acom tools ??

Someone mentioned something from Flex ??

73-
W1JCW
john

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3857. RE: [acom-list] Re: Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 07:45:49 UTC
From: James Thresher
Topic: 3849 Message: 3857

Hi John,

I can confirm that you will need a Null modem cable, I have the Acom tools working with my 2000a. however as the others who have responded point out it hasn't been supported for a while.

I'm actually working on some new for computer control of the 2000a, once it's finished I will post it to the group.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W1JCW
Sent: 14 December 2010 16:43
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom tools installation

Has anyone have this tool working with their 2000a ?

I have the program installed with win 7, I have com 3 setup but need to confirm the cable is correct.

Does the cable need to be null modem, straight ?
what is the pin out ??

I cannot read any info from the amp plugged in. The program says port is in use when nothing
is connect to the assigned port.

Does this program support win 7 ?

73-
W1JCW
John

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3858. R: [acom-list] Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 10:19:08 UTC
From: ik2typ
Topic: 3849 Message: 3858

I am using TRX Manager that contain a stand-alone program TRX-Acom to control our Acom 2000 amplifier, and it works very well, you can turn the amp ON and OFF in remote, and check power as well as VSWR by two separate bar graphs, and so many others parameters. I☐ve been working in remote control for two years o more.

Fede Ik2rtp

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto di W1JCW
Inviato: martedì 14 dicembre 2010 19.30
A: acom-list@yahoogroups.com
Oggetto: [acom-list] Acom tools installation

Can you send me your pin out ??

I heard it is null modem ?

73-
W1JCW
John

From: Ron NØAT
Sent: Tuesday, December 14, 2010 11:22 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: RE: [acom-list] Re: Acom tools installation

The cable needs to be exactly what is specified. I believe it is only the TX, RX and GND connections, I can☐t remember the specifics. Acom uses some of the other pins to bring out voltages/signals that cannot be shorted out.

I used the Acom tools program with Writelog and my Windows XP computer. It worked just fine.

Now I upgraded my computer to Windows 7, and installed the Acom tools program. The interface works, as I can use the GUI to monitor the Acom.

I don☐t know for sure if the program works with Writelog as I had a few instances where Writelog occasionally locked up. I stopped using Acom tools and the lockups were greatly reduced.

73 de Ron NØAT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3859. RE: [acom-list] Re: Acom interface programs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 14:20:00 UTC
From: Mel Whitten
Topic: 3854 Message: 3859

DDutil works fine with the ACOM amp and antenna switch. Yes it is for the Flex radios running PowerSDR software. I have been using it for couple years.

Mel, k0pfx

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W1JCW
Sent: Tuesday, December 14, 2010 9:23 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom interface programs

What other programs do you guys use to view the Acom stats and usage besides acom tools ??

Someone mentioned something from Flex ??

73-
W1JCW
john

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3860. Re: R: [acom-list] Acom tools installation

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 16:50:39 UTC
From: W1JCW
Topic: 3849 Message: 3860

Okay..

I will be looking for it.

73-
W1JCW
John

From: ik2typ
Sent: Wednesday, December 15, 2010 4:19 AM
To: acom-list@yahoogroups.com
Subject: R: [acom-list] Acom tools installation

I am using TRX Manager that contain a stand-alone program TRX-Acom to control our Acom 2000 amplifier, and it works very well, you can turn the amp ON and OFF in remote, and check power as well as VSWR by two separate bar graphs, and so many others parameters. I□ve been working in remote control for two years o more.

Fede Ik2rtp

[Non-text portions of this message have been removed]

3861. Acom tools cable wiring / Win 7 works

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 16:54:11 UTC
From: W1JCW
Topic: 3849 Message: 3861

I made up my own cable real simple and running with Win 7.

acom female db9 pins 2,3,5.

PC female db9 pins 3,2,5

Its working with acom tools 1.5, I will try other options as well.

73-
W1JCW
John

From: James Thresher
Sent: Wednesday, December 15, 2010 1:45 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Acom tools installation

Hi John,

I can confirm that you will need a Null modem cable, I have the Acom tools working with my 2000a. however as the others who have responded point out it hasn't been supported for a while.

I'm actually working on some new for computer control of the 2000a, once it's finished I will post it to the group.

[Non-text portions of this message have been removed]

3862. Acom interface programs

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 16:55:50 UTC
From: W1JCW
Topic: 3854 Message: 3862

Thanks everyone for the feed back.

I will try the DDUTIL.

Nice how you have it setup yourself.

73-
W1JCW
John

From: Markus Schleutermann
Sent: Wednesday, December 15, 2010 12:19 AM
To: acom-list@yahoogroups.com
Subject: AW: [acom-list] Re: Acom interface programs

Hi John

There are two possible solutions for software control of an ACOM2000

TRX-Manager: contains a special software called ACOM CONTROL
There is another Software called DDUTIL, offering control over the most important parts oft he linear.

But the software control part of the acom-firmware is lousy, operation is not reliable. For my remote stations I took a webcam to view the display and put web-controlled relays parallel to the push buttons of the remote control. Simple and easy, but it works !

73 de Mark, HB9AZT

Von: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] Im Auftrag von W1JCW
Gesendet: Mittwoch, 15. Dezember 2010 04:23
An: mailto:acom-list%40yahoogroups.com
Betreff: [acom-list] Re: Acom interface programs

What other programs do you guys use to view the Acom stats and usage besides acom tools ??

Someone mentioned something from Flex ??

73-
W1JCW
john

[Non-text portions of this message have been removed]

3863. (no subject)

Yahoo group: acom-list (2010 — 2016)
Date: 2010-12-15 20:22:05 UTC
From: Mike Minor
Topic: 3863 Message: 3863

Sent from my iPad

3864. Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 01:26:27 UTC
From: kamarty456
Topic: 3864 Message: 3864

I realize this is an old subject but I was wondering if anyone has
been able to adjust the electronic bias.
I have the bias crunch.
I know on some amplifiers you can adjust the timing..

I have verified that the anomaly is indeed the electronic bias and not RFI or anything else.

I have a 2001 vintage Acom 2000A

Martin KA7GKN

3865. Re: [acom-list] Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 01:31:47 UTC
From: Jim Cox
Topic: 3864 Message: 3865

What is "bias Crunch" New term for me..

Jim K4JAF

----- Original Message -----
From: kamarty456
To: acom-list@yahoogroups.com
Sent: Wednesday, January 12, 2011 7:26 PM
Subject: [acom-list] Electronic bias question

I realize this is an old subject but I was wondering if anyone has
been able to adjust the electronic bias.
I have the bias crunch.
I know on some amplifiers you can adjust the timing..

I have verified that the anomaly is indeed the electronic bias and not RFI or anything
else.

I have a 2001 vintage Acom 2000A

Martin KA7GKN

[Non-text portions of this message have been removed]

3866. Acom 2000A heater question...

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 13:34:21 UTC
From: Fernando EC1CT
Topic: 3864 Message: 3866

Hi all,
A friend of mine have the heater light blinking on his brand new Acom 2000 from time to time. He says he got it on for a few seconds after warm up period, then it goes off again and back on for a few miliseconds from time to time. Appart of that, he´s having a difference in temperature from one tube to the other in 6 to 8 degrees celsius. We suspect he could have a deffective tube but would you have any other suggestions?...Thank you. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

[Non-text portions of this message have been removed]

3867. RE: [acom-list] Acom 2000A heater question...

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 13:39:21 UTC
From: Bob Naumann
Topic: 3864 Message: 3867

The blinking heater light indicates that the heater voltage is close to the upper limit - nothing to worry about.

The tube temperatures should be closer together than that. It sounds like the tubes are not matched very well. He should contact his Acom dealer.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Fernando EC1CT
Sent: Thursday, January 13, 2011 7:34 AM
To: acom-list@yahoogroups.com; EA1IR
Subject: [acom-list] Acom 2000A heater question...

Hi all,
A friend of mine have the heater light blinking on his brand new Acom 2000 from time to time. He says he got it on for a few seconds after warm up period, then it goes off again and back on for a few miliseconds from time to time. Appart of that, he´s having a difference in temperature from one tube to the other in 6 to 8 degrees celsius. We suspect he could have a deffective tube but would you have any other suggestions?...Thank you. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

[Non-text portions of this message have been removed]

Yahoo! Groups Links

3868. Re: [acom-list] Acom 2000A heater question...

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 13:42:11 UTC
From: Fernando EC1CT
Topic: 3864 Message: 3868

Thanks a lot, Bob. I think he has contacted Ron at Vinecom UK already. TU 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Bob Naumann
Sent: Thursday, January 13, 2011 2:39 PM
To: acom-list@yahoogroups.com ; 'EA1IR'
Subject: RE: [acom-list] Acom 2000A heater question...

The blinking heater light indicates that the heater voltage is close to the
upper limit - nothing to worry about.

The tube temperatures should be closer together than that. It sounds like
the tubes are not matched very well. He should contact his Acom dealer.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of Fernando EC1CT
Sent: Thursday, January 13, 2011 7:34 AM
To: acom-list@yahoogroups.com; EA1IR
Subject: [acom-list] Acom 2000A heater question...

Hi all,
A friend of mine have the heater light blinking on his brand new Acom 2000
from time to time. He says he got it on for a few seconds after warm up
period, then it goes off again and back on for a few miliseconds from time
to time. Appart of that, he´s having a difference in temperature from one
tube to the other in 6 to 8 degrees celsius. We suspect he could have a
deffective tube but would you have any other suggestions?...Thank you. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1191 / Base de datos de virus: 1435/3376 - Fecha de la versión: 12/01/2011

[Non-text portions of this message have been removed]

3869. Re: [acom-list] Acom 2000A heater question...

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 13:59:24 UTC
From: Paul Christensen
Topic: 3864 Message: 3869

> "The blinking heater light indicates that the heater voltage is close to the upper limit..."

That may be an indicator to go back and reconfirm the hardware and firmware (menu) voltage tap settings (Operating Manual Sec. 2.2 "Line Voltage Selection). As I recall, the tap settings affect filament voltage as well as the high voltage supply.

Paul, W9AC

[Non-text portions of this message have been removed]

3870. Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 15:57:56 UTC
From: w9ac
Topic: 3864 Message: 3870

> What is "bias Crunch" New term for me..
>
> Jim K4JAF

It generally refers to a non-linear PA. Typical causes can include incorrect or failed bias to the cathode in a grounded-grid amp, or to the grid in a tetrode-based amp. In amps like the ACOM 2000A and older Alphas, the bias crunch occurs for brief moments when an input detector changes bias states with the presence of RF from the driving transceiver. In SSB, the leading edge of the voice will create moderate amounts of IMD, causing adjacent frequency splatter. The stronger the signal on the band, the more pronounced the splatter.

In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. If "bias Crunch" is heard with a normally operating 2000A, the cause is likely due to the transition between the -75V and -52V bias level. I've noticed that when the 2000A is driven by an exceiter with good IMD (e.g., TS-950SDX and Class A Yaesu), the crunch is only heard during periods of very high received signal strength.

One option for someoe willing to assume the risk with their 2000A is to either: (i) eliminate the third state; or (ii) modify the second state to allow for a bit of plate idling current. In effect, that's exactly what Alpha's advice was when owners of the 77Dx reported bias crunch from stage two to stage three. In the 77Dx, one simply turns a pot on a control board to see about 100 mA of idle plate current. Sure, the amp runs hotter that way since it's coming out of Class B. There's no free lunch. In the 2000A, the -75V level would require adustment to allow for some place current. I have no recall if that's adjustable -- or a fixed level. Easy for some owners, difficult and dangerous for others.

When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.

Just my opinion, but I think Alpha has done a better job with the "linearity" aspect of a linear amplifier. There's not substantial difference between the RF decks and power supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.

Paul, W9AC

3871. Re: [acom-list] Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 16:57:11 UTC
From: Hans Remeeus
Topic: 3864 Message: 3871

Hello Paul and group,

Last weeks I did several tests with a hardware 2-tone generator into the Yaesu FTdx5000d in Class-A, and the Acom 2000A at about half rate output power level.

Have a look at
http://www.remeeus.eu/ham-radio-english/miscellanous/acom-2000a-2-tone-test.html
This is very impressive! More than -45dB IMD3 is very difficult to equal.

I own the Acom 2000A for about seven years now. Before that I owned a few other amps like the Alpha 91b (excellent amp!) and the Alpha 87A (not convincing).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 13-1-2011 16:57, w9ac schreef:
>> What is "bias Crunch" New term for me..
>>
>> Jim K4JAF
>
> When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.
>
> Just my opinion, but I think Alpha has done a better job with the "linearity" aspect of a linear amplifier. There's not substantial difference between the RF decks and power supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.
>
> Paul, W9AC
>

3872. Re: [acom-list] Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 17:15:29 UTC
From: Paul Christensen
Topic: 3864 Message: 3872

Hans,

That looks very good, and exceeds what I had measured a decade ago. While some ops may scoff at the use of a panadapter for the measurement, I'm a believer that it's valid for our purposes were extreme accuracy isn't needed. With a panadapter, it's now easy to see the upper and lower "shoulders" of the passband -- and make comparisons across stations on the band. When signal levels are strong and the band is quiet, it is quite easy to see transmitted IM effects and separate out IMD from stations that are deliberately extending RF bandwidth (e.g., ESSB).

While the measured IMD numbers look good, folks should not confuse the two-tone numbers with "bias crunch" that occurs with voice in SSB mode. What Hans' test shows is that the 2000A is capable of excellent 3rd-order IMD numbers. What is does not show is the effect of IMD resulting from the bias-state change as the amp's input RF detector is toggling bias between the second and third states. During voice transmissions, the amp is continually switching between Class B and AB, albeit quickly, but not necessarily quickly enough to avoid haring IMD artifacts. So, two-tone numbers may appear excellent, while real-world IMD is still being generated. Add into the mix the use of ALC systems across transceiver vendors and you've got some complex variables affecting IMD performance. This is not a limitation just with ACOM. It affects some other vendors/models as well.

Paul, W9AC

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com
Sent: Thursday, January 13, 2011 11:57 AM
Subject: Re: [acom-list] Re: Electronic bias question

Hello Paul and group,

Last weeks I did several tests with a hardware 2-tone generator into the
Yaesu FTdx5000d in Class-A, and the Acom 2000A at about half rate output
power level.

Have a look at
http://www.remeeus.eu/ham-radio-english/miscellanous/acom-2000a-2-tone-test.html
This is very impressive! More than -45dB IMD3 is very difficult to equal.

I own the Acom 2000A for about seven years now. Before that I owned a
few other amps like the Alpha 91b (excellent amp!) and the Alpha 87A
(not convincing).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl

Communication is about people, the rest is technology.

Op 13-1-2011 16:57, w9ac schreef:
>> What is "bias Crunch" New term for me..
>>
>> Jim K4JAF
>
> When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.
>
> Just my opinion, but I think Alpha has done a better job with the "linearity" aspect of a linear amplifier. There's not substantial difference between the RF decks and power supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.
>
> Paul, W9AC
>

[Non-text portions of this message have been removed]

3873. Re: [acom-list] Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 18:27:36 UTC
From: Hans Remeeus
Topic: 3864 Message: 3873

Hello Paul,

Thanks for your very interesting message!

If someone in the group is interested in an article on this subject (transmitter (or amplifier) performance tests) he can drop me an e-mail and I send it to you.

With the increasing number of power amplifiers, and transmitters with 200 Watt output, the subject IMD-3 and 2-tone tests is very topical and important for the other users of our HF-bands.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 13-1-2011 18:15, Paul Christensen schreef:
> Hans,
>
> That looks very good, and exceeds what I had measured a decade ago. While some ops may scoff at the use of a panadapter for the measurement, I'm a believer that it's valid for our purposes were extreme accuracy isn't needed. With a panadapter, it's now easy to see the upper and lower "shoulders" of the passband -- and make comparisons across stations on the band. When signal levels are strong and the band is quiet, it is quite easy to see transmitted IM effects and separate out IMD from stations that are deliberately extending RF bandwidth (e.g., ESSB).
>
> While the measured IMD numbers look good, folks should not confuse the two-tone numbers with "bias crunch" that occurs with voice in SSB mode. What Hans' test shows is that the 2000A is capable of excellent 3rd-order IMD numbers. What is does not show is the effect of IMD resulting from the bias-state change as the amp's input RF detector is toggling bias between the second and third states. During voice transmissions, the amp is continually switching between Class B and AB, albeit quickly, but not necessarily quickly enough to avoid haring IMD artifacts. So, two-tone numbers may appear excellent, while real-world IMD is still being generated. Add into the mix the use of ALC systems across transceiver vendors and you've got some complex variables affecting IMD performance. This is not a limitation just with ACOM. It affects some other vendors/models as well.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

3874. Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-13 21:52:25 UTC
From: kamarty456
Topic: 3864 Message: 3874

An excellent explanation
thank you Paul
Martin KA7GKN

--- In acom-list@yahoogroups.com, "w9ac" <pchristensen@...> wrote:
>
>
>
>
>
>
> > What is "bias Crunch" New term for me..
> >
> > Jim K4JAF
>
> It generally refers to a non-linear PA. Typical causes can include incorrect or failed bias to the cathode in a grounded-grid amp, or to the grid in a tetrode-based amp. In amps like the ACOM 2000A and older Alphas, the bias crunch occurs for brief moments when an input detector changes bias states with the presence of RF from the driving transceiver. In SSB, the leading edge of the voice will create moderate amounts of IMD, causing adjacent frequency splatter. The stronger the signal on the band, the more pronounced the splatter.
>
> In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. If "bias Crunch" is heard with a normally operating 2000A, the cause is likely due to the transition between the -75V and -52V bias level. I've noticed that when the 2000A is driven by an exceiter with good IMD (e.g., TS-950SDX and Class A Yaesu), the crunch is only heard during periods of very high received signal strength.
>
> One option for someoe willing to assume the risk with their 2000A is to either: (i) eliminate the third state; or (ii) modify the second state to allow for a bit of plate idling current. In effect, that's exactly what Alpha's advice was when owners of the 77Dx reported bias crunch from stage two to stage three. In the 77Dx, one simply turns a pot on a control board to see about 100 mA of idle plate current. Sure, the amp runs hotter that way since it's coming out of Class B. There's no free lunch. In the 2000A, the -75V level would require adustment to allow for some place current. I have no recall if that's adjustable -- or a fixed level. Easy for some owners, difficult and dangerous for others.
>
> When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.
>
> Just my opinion, but I think Alpha has done a better job with the "linearity" aspect of a linear amplifier. There's not substantial difference between the RF decks and power

supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.
>
> Paul, W9AC
>

3876. RE: [acom-list] Acom 2000a wanted

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-15 19:00:23 UTC
From: filip .
Topic: 3876 Message: 3876

bob,
I have a acom 1000 for sale
73,
philip

To: acom-list@yahoogroups.com
From: g3yiq@...
Date: Fri, 14 Jan 2011 23:11:15 +0000
Subject: [acom-list] Acom 2000a wanted

Does anyone in the UK have one for sale?

g3yiq@...

73 Bob G3YIQ

[Non-text portions of this message have been removed]

3877. Re: Acom 2000a wanted

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-15 20:25:20 UTC
From: Bob
Topic: 3876   Message: 3877

Thanks Philip - so do I - I've just found the Acom 2000A I was looking for!

73 Bob

--- In acom-list@yahoogroups.com, "filip ." <rfresearch@...> wrote:
>
> bob,
> I have a acom 1000 for sale
> 73,
> philip
>
> To: acom-list@yahoogroups.com
> From: g3yiq@...
> Date: Fri, 14 Jan 2011 23:11:15 +0000
> Subject: [acom-list] Acom 2000a wanted
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> Does anyone in the UK have one for sale?
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> g3yiq@...
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> 73 Bob G3YIQ
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> [Non-text portions of this message have been removed]
>

3878. Re: [acom-list] Re: Acom 2000a wanted

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-15 20:36:53 UTC
From: W1JCW
Topic: 3876 Message: 3878

It's a special time when you find one of these fine jewel of an amp.

I am new owner myself and love this large hunk of amp...

73-
W1JCW
John

From: Bob
Sent: Saturday, January 15, 2011 2:25 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000a wanted

Thanks Philip - so do I - I've just found the Acom 2000A I was looking for!

73 Bob

[Non-text portions of this message have been removed]

3879. Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 15:03:54 UTC
From: kamarty456
Topic: 3864 Message: 3879

Paul, I do have some information regarding the EBS
modification..
I do have a question for you....
I appreciate your input...

I can either add a short jumper wire which will connect
the emitter of Q4, this will essentially fully block the EBS operation.
I only do SSB fidelity audio so I'm not too concerned about the
tubes operating with a higher level of idle current when the ptt
is pressed...Oh I also have the optional exterior muffin fan installed.

The second option is to add a 0.1 or a 0.22 uf capacitor
within the EBS across the original 0.1uf [100nf] in
parallel to double or triple the time constant of the EBS delay.

Either method is reasonably easy for me to accomplish...
The question is which method would you suggest?

Once I actually do the modification and determine how the 2000A
reacts [to my operating style] I'll try to provide photos and
instructions so others may have the opportunity to make this change.

Martin KA7GKN

--- In acom-list@yahoogroups.com, "w9ac" <pchristensen@...> wrote:
>
>
>
>
>
>
> > What is "bias Crunch" New term for me..
> >
> > Jim K4JAF
>
> It generally refers to a non-linear PA. Typical causes can include incorrect or failed bias to the cathode in a grounded-grid amp, or to the grid in a tetrode-based amp. In amps like the ACOM 2000A and older Alphas, the bias crunch occurs for brief moments when an input detector changes bias states with the presence of RF from the driving transceiver. In SSB, the leading edge of the voice will create moderate amounts of IMD, causing adjacent frequency splatter. The stronger the signal on the band, the more pronounced the splatter.
>
> In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. If "bias Crunch" is heard with a normally operating 2000A, the cause is likely due to the transition between the -75V and -52V bias level. I've noticed that when the 2000A is driven by an exceiter with good IMD (e.g., TS-950SDX and

Class A Yaesu), the crunch is only heard during periods of very high received signal strength.
>
> One option for someoe willing to assume the risk with their 2000A is to either: (i) eliminate the third state; or (ii) modify the second state to allow for a bit of plate idling current. In effect, that's exactly what Alpha's advice was when owners of the 77Dx reported bias crunch from stage two to stage three. In the 77Dx, one simply turns a pot on a control board to see about 100 mA of idle plate current. Sure, the amp runs hotter that way since it's coming out of Class B. There's no free lunch. In the 2000A, the -75V level would require adustment to allow for some place current. I have no recall if that's adjustable -- or a fixed level. Easy for some owners, difficult and dangerous for others.
>
> When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.
>
> Just my opinion, but I think Alpha has done a better job with the "linearity" aspect of a linear amplifier. There's not substantial difference between the RF decks and power supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.
>
> Paul, W9AC
>

3880. 2000A with K3

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 15:12:54 UTC
From: Hank Garretson
Topic: 3880 Message: 3880

I'm delighted with my 2000A and K3. I'd like to be even more delighted.

Is there a way to have the K3 electronically control 2000A frequency-band without having to hit the key or talk? Perhaps using N1MM Logger?

73,

Hank, W6SX

Mammoth Lakes, California

Elevation 8083 feet in John Muir's Range of Light

[Non-text portions of this message have been removed]

3881. Re: [acom-list] 2000A with K3

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 16:03:25 UTC
From: Brian Alsop
Topic: 3880 Message: 3881

Hank,

There was a DOS tool called ACOM TOOLS, I think.
People have had very little luck using it on any newer operating systems.

The ACOM2000 has a very contorted communications protocol that seems to
defy people writing control software for it. I tried without success.
The author of ACOM TOOLs essentially gave up.

This is one of the few minus "features" for the 2000A.

It requires another com port and hence you'd have to use LPBRIDGE to
share the K3's frequency.

There has been a bunch of previous postings here on that.

73 de Brian/K3KO

On 1/17/2011 15:12, Hank Garretson wrote:
>
>
> I'm delighted with my 2000A and K3. I'd like to be even more delighted.
>
> Is there a way to have the K3 electronically control 2000A frequency-band
> without having to hit the key or talk? Perhaps using N1MM Logger?
>
> 73,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
> [Non-text portions of this message have been removed]
>
>
> --
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1191 / Virus Database: 1435/3385 - Release Date: 01/16/11
>

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1191 / Virus Database: 1435/3385 - Release Date: 01/16/11

3882. Re: [acom-list] 2000A with K3

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 19:41:39 UTC
From: Bill NY9H
Topic: 3880 Message: 3882

you'd of think by now that one of our genius comrades would have
written some app for this....

it will probably show up as an app for my cellphone; the day after I
croak.... :)...

for now it's a ptt or a dit.... it works so good,,,

it would give this amp a longer sales life, so you'd imagine that
ACOM would pay to have it done...
maybe the dit works too gud....???

bill/3

At 11:03 AM 1/17/2011, you wrote:
>Hank,
>
>This is one of the few minus "features" for the 2000A.

[Non-text portions of this message have been removed]

3883. Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 19:49:39 UTC
From: w9ac
Topic: 3864 Message: 3883

Marty,

The changes seem simple enough and are minimally invasive. I would try the cap approach first before disabling EBS altogether.

Another option is to make the cap change, and also install a micro-toggle-switch at the emitter of Q4 if there's way to safely and conveniently do so right on the circuit board. That would give you the ability to enable/disable EBS, albeit rather inconveniently.

I would be careful about bringing such a switch to a more convenient location - like the rear panel. RF ingress could then affect bias if the switch lines were not adequately RF suppressed. To better deal with a remote switching point, I would use a small signal relay, controled by a rear panel switch. To preserve amp value if there's a future sale, the switch could be brought out to a pig-tail connector (rather than drill a cabinet hole) and perhaps routed out the cabinet through a small opening.

Paul, W9AC

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> Paul, I do have some information regarding the EBS
> modification..
> I do have a question for you....
> I appreciate your input...
>
> I can either add a short jumper wire which will connect
> the emitter of Q4, this will essentially fully block the EBS operation.
> I only do SSB fidelity audio so I'm not too concerned about the
> tubes operating with a higher level of idle current when the ptt
> is pressed...Oh I also have the optional exterior muffin fan installed.
>
> The second option is to add a 0.1 or a 0.22 uf capacitor
> within the EBS across the original 0.1uf [100nf] in
> parallel to double or triple the time constant of the EBS delay.
>
> Either method is reasonably easy for me to accomplish...
> The question is which method would you suggest?
>
> Once I actually do the modification and determine how the 2000A
> reacts [to my operating style] I'll try to provide photos and
> instructions so others may have the opportunity to make this change.
>
>
> Martin KA7GKN
>
>

>
> --- In acom-list@yahoogroups.com, "w9ac" <pchristensen@> wrote:
> >
> >
> >
> >
> >
> >
> > > What is "bias Crunch" New term for me..
> > >
> > > Jim K4JAF
> >
> > It generally refers to a non-linear PA. Typical causes can include incorrect or failed bias to the cathode in a grounded-grid amp, or to the grid in a tetrode-based amp. In amps like the ACOM 2000A and older Alphas, the bias crunch occurs for brief moments when an input detector changes bias states with the presence of RF from the driving transceiver. In SSB, the leading edge of the voice will create moderate amounts of IMD, causing adjacent frequency splatter. The stronger the signal on the band, the more pronounced the splatter.
> >
> > In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. If "bias Crunch" is heard with a normally operating 2000A, the cause is likely due to the transition between the -75V and -52V bias level. I've noticed that when the 2000A is driven by an exceiter with good IMD (e.g., TS-950SDX and Class A Yaesu), the crunch is only heard during periods of very high received signal strength.
> >
> > One option for someoe willing to assume the risk with their 2000A is to either: (i) eliminate the third state; or (ii) modify the second state to allow for a bit of plate idling current. In effect, that's exactly what Alpha's advice was when owners of the 77Dx reported bias crunch from stage two to stage three. In the 77Dx, one simply turns a pot on a control board to see about 100 mA of idle plate current. Sure, the amp runs hotter that way since it's coming out of Class B. There's no free lunch. In the 2000A, the -75V level would require adustment to allow for some place current. I have no recall if that's adjustable -- or a fixed level. Easy for some owners, difficult and dangerous for others.
> >
> > When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.
> >
> > Just my opinion, but I think Alpha has done a better job with the "linearity" aspect of a linear amplifier. There's not substantial difference between the RF decks and power supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.
> >
> > Paul, W9AC
> >
>

3884. Re: [acom-list] 2000A with K3

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 19:57:08 UTC
From: Pete F5VNB
Topic: 3880 Message: 3884

There is a utility, DDUTIL, that controls a 2000A but it is written to
work with FlexRadio hardware. Perhaps it would work with PowerSDR-IF,
LP-Bridge and the K3 but I'd have to swap my 1000 for a 2000A to check that.

73, Pete F5VNB

On 17/01/2011 16:12, Hank Garretson wrote:
> I'm delighted with my 2000A and K3. I'd like to be even more delighted.
>
> Is there a way to have the K3 electronically control 2000A frequency-band
> without having to hit the key or talk? Perhaps using N1MM Logger?
>
> 73,
>
> Hank, W6SX

3885. Re: [acom-list] 2000A with K3

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 20:09:13 UTC
From: Mel Whitten
Topic: 3880 Message: 3885

Hank,

Steve, K5FR learned to communicate with the 2000A
in the development of his DDUtil program which
controls the amp nicely with the Flex radios.

He may be able to provide some help for the
Acom end.

Mel, k0pfx

----- Original Message -----
From: "Brian Alsop" <alsopb@...>
To: <acom-list@yahoogroups.com>
Sent: Monday, January 17, 2011 10:03 AM
Subject: Re: [acom-list] 2000A with K3

> Hank,
>
> There was a DOS tool called ACOM TOOLS, I think.
> People have had very little luck using it on any newer operating systems.
>
> The ACOM2000 has a very contorted communications protocol that seems to
> defy people writing control software for it. I tried without success.
> The author of ACOM TOOLs essentially gave up.
>
> This is one of the few minus "features" for the 2000A.
>
> It requires another com port and hence you'd have to use LPBRIDGE to
> share the K3's frequency.
>
> There has been a bunch of previous postings here on that.
>
> 73 de Brian/K3KO
>
>
>
> On 1/17/2011 15:12, Hank Garretson wrote:
>>
>>
>> I'm delighted with my 2000A and K3. I'd like to be even more delighted.
>>
>> Is there a way to have the K3 electronically control 2000A frequency-band
>> without having to hit the key or talk? Perhaps using N1MM Logger?
>>
>> 73,

>>
>> Hank, W6SX
>>
>> Mammoth Lakes, California
>>
>> Elevation 8083 feet in John Muir's Range of Light
>>
>> [Non-text portions of this message have been removed]
>>
>>
>> --
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 10.0.1191 / Virus Database: 1435/3385 - Release Date: 01/16/11
>>
>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1191 / Virus Database: 1435/3385 - Release Date: 01/16/11
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> Yahoo! Groups Links
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3886. Re: Electronic bias question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 20:16:29 UTC
From: kamarty456
Topic: 3864 Message: 3886

That is sort of my plan too.
Now I just need to get the motivation level increased to address the project

Marty

--- In acom-list@yahoogroups.com, "w9ac" <pchristensen@...> wrote:
>
> Marty,
>
> The changes seem simple enough and are minimally invasive. I would try the cap approach first before disabling EBS altogether.
>
> Another option is to make the cap change, and also install a micro-toggle-switch at the emitter of Q4 if there's way to safely and conveniently do so right on the circuit board. That would give you the ability to enable/disable EBS, albeit rather inconveniently.
>
> I would be careful about bringing such a switch to a more convenient location - like the rear panel. RF ingress could then affect bias if the switch lines were not adequately RF suppressed. To better deal with a remote switching point, I would use a small signal relay, controled by a rear panel switch. To preserve amp value if there's a future sale, the switch could be brought out to a pig-tail connector (rather than drill a cabinet hole) and perhaps routed out the cabinet through a small opening.
>
> Paul, W9AC
>
>
> --- In acom-list@yahoogroups.com, "kamarty456" <martins160@> wrote:
> >
> > Paul, I do have some information regarding the EBS
> > modification..
> > I do have a question for you....
> > I appreciate your input...
> >
> > I can either add a short jumper wire which will connect
> > the emitter of Q4, this will essentially fully block the EBS operation.
> > I only do SSB fidelity audio so I'm not too concerned about the
> > tubes operating with a higher level of idle current when the ptt
> > is pressed...Oh I also have the optional exterior muffin fan installed.
> >
> > The second option is to add a 0.1 or a 0.22 uf capacitor
> > within the EBS across the original 0.1uf [100nf] in
> > parallel to double or triple the time constant of the EBS delay.
> >
> > Either method is reasonably easy for me to accomplish...
> > The question is which method would you suggest?

> >
> > Once I actually do the modification and determine how the 2000A
> > reacts [to my operating style] I'll try to provide photos and
> > instructions so others may have the opportunity to make this change.
> >
> >
> > Martin KA7GKN
> >
> >
> >
> > --- In acom-list@yahoogroups.com, "w9ac" <pchristensen@> wrote:
> > >
> > >
> > >
> > >
> > >
> > >
> > > > What is "bias Crunch" New term for me..
> > > >
> > > > Jim K4JAF
> > >
> > > It generally refers to a non-linear PA. Typical causes can include incorrect or failed bias to the cathode in a grounded-grid amp, or to the grid in a tetrode-based amp. In amps like the ACOM 2000A and older Alphas, the bias crunch occurs for brief moments when an input detector changes bias states with the presence of RF from the driving transceiver. In SSB, the leading edge of the voice will create moderate amounts of IMD, causing adjacent frequency splatter. The stronger the signal on the band, the more pronounced the splatter.
> > >
> > > In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. If "bias Crunch" is heard with a normally operating 2000A, the cause is likely due to the transition between the -75V and -52V bias level. I've noticed that when the 2000A is driven by an exceiter with good IMD (e.g., TS-950SDX and Class A Yaesu), the crunch is only heard during periods of very high received signal strength.
> > >
> > > One option for someoe willing to assume the risk with their 2000A is to either: (i) eliminate the third state; or (ii) modify the second state to allow for a bit of plate idling current. In effect, that's exactly what Alpha's advice was when owners of the 77Dx reported bias crunch from stage two to stage three. In the 77Dx, one simply turns a pot on a control board to see about 100 mA of idle plate current. Sure, the amp runs hotter that way since it's coming out of Class B. There's no free lunch. In the 2000A, the -75V level would require adustment to allow for some place current. I have no recall if that's adjustable -- or a fixed level. Easy for some owners, difficult and dangerous for others.
> > >
> > > When I owned my 2000A back in 1999, a switching transistor failed, resulting in SSB splatter. In my case, it was easy to find the cause since I could only see two, rather than three bias levels. Replacing the transistor cured the linearity and power problem, although some IMD still occurred during the last transition to -52V.
> > >
> > > Just my opinion, but I think Alpha has done a better job with the "linearity" aspect

of a linear amplifier. There's not substantial difference between the RF decks and power supplies used between the two vendors (comparing with Alpha's tetrode models). So, there's some subtle difference that allows Alpha to achieve 3rd-order IMD numbers about 8-10 dB better than the 2000A. In all fairness to ACOM, I have not used a 2000A in a very long time. So, the issue may have been addressed a while back.
> > >
> > > Paul, W9AC
> > >
> >
>

3887. 2000A control DDUtil

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-17 20:19:05 UTC
From: W1JCW
Topic: 3880 Message: 3887

This is the only program I?ve heard of as well.

I didn?t play with it much as it seems like it will take some time.

If you find something or get some information on this DDUtil let us know.

73-
W1JCW
John

From: Mel Whitten
Sent: Monday, January 17, 2011 2:09 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A with K3

Hank,

Steve, K5FR learned to communicate with the 2000A
in the development of his DDUtil program which
controls the amp nicely with the Flex radios.

He may be able to provide some help for the
Acom end.

Mel, k0pfx

[Non-text portions of this message have been removed]

3888. Re: 2000A with K3

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 16:51:29 UTC
From: ki4ge
Topic: 3880 Message: 3888

I use the TRX-ACOM program that is part of TRX-Manager to control, through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup works well and there is a TRX-Manager interface for the K3. A special adapter is needed between the ACOM 2000A and your computer. I purchased my adapter from Array Solutions. You can also build one using a circuit downloaded from the ACOM site.

Jerry. KI4GE

--- In acom-list@yahoogroups.com, Hank Garretson <w6sx@...> wrote:
>
> I'm delighted with my 2000A and K3. I'd like to be even more delighted.
>
> Is there a way to have the K3 electronically control 2000A frequency-band
> without having to hit the key or talk? Perhaps using N1MM Logger?
>
>
> 73,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
>
> [Non-text portions of this message have been removed]
>

3889. 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 17:18:45 UTC
From: W1JCW
Topic: 3880 Message: 3889

Jerry -

When you say adaptor are you referring to a interface cable from the PC to the Acom ?
I made my own Null modem cable double female DB-9 plug which only requires 3 – wires soldered
and I use the Acom tools.

What is the adaptor you mentioned ?

73-
W1JCW
John

From: ki4ge
Sent: Tuesday, January 18, 2011 10:51 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: 2000A with K3

I use the TRX-ACOM program that is part of TRX-Manager to control, through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup works well and there is a TRX-Manager interface for the K3. A special adapter is needed between the ACOM 2000A and your computer. I purchased my adapter from Array Solutions. You can also build one using a circuit downloaded from the ACOM site.

Jerry. KI4GE

--- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@...> wrote:
>
> I'm delighted with my 2000A and K3. I'd like to be even more delighted.
>
> Is there a way to have the K3 electronically control 2000A frequency-band
> without having to hit the key or talk? Perhaps using N1MM Logger?
>
>
> 73,
>
> Hank, W6SX

[Non-text portions of this message have been removed]

3890. Re: [acom-list] 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 18:32:15 UTC
From: W5OV@w5ov.com
Topic: 3880 Message: 3890

It's called the "RPON" or "Remote Power ON" adapter.

This enables remote on and off of the amplifier. It does not make the amplifier follow the radio automatically. The amplifier still requires you to transmit to change bands.

I'm not sure why this method of band changing is seen as inferior when it requires no connection to the computer at all and works right 100% of the time. Adding software and other interfaces to the mix seems to make the 2000A less reliable rather than more.

73,

Bob W5OV

> Jerry -
>
> When you say adaptor are you referring to a interface cable from the PC to
> the Acom ?
> I made my own Null modem cable double female DB-9 plug which only requires
> 3 – wires soldered
> and I use the Acom tools.
>
> What is the adaptor you mentioned ?
>
> 73-
> W1JCW
> John
>
>
> From: ki4ge
> Sent: Tuesday, January 18, 2011 10:51 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: 2000A with K3
>
>
> I use the TRX-ACOM program that is part of TRX-Manager to control, through
> my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup works
> well and there is a TRX-Manager interface for the K3. A special adapter is
> needed between the ACOM 2000A and your computer. I purchased my adapter
> from Array Solutions. You can also build one using a circuit downloaded
> from the ACOM site.
>
> Jerry. KI4GE
>
> --- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@...>

> wrote:
>>
>> I'm delighted with my 2000A and K3. I'd like to be even more delighted.
>>
>> Is there a way to have the K3 electronically control 2000A
>> frequency-band
>> without having to hit the key or talk? Perhaps using N1MM Logger?
>>
>>
>> 73,
>>
>> Hank, W6SX
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3891. Re: 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 18:56:33 UTC
From: ki4ge
Topic: 3880 Message: 3891

The adapter I referred to is the "Remote Power On" adapter mentioned by Bob in the previous post.

When this adapter is interfaced with the computer and the IC 756 Pro III using the TRX-ACOM function in TRX-Manager, the ACOM 2000A band switching follows the current frequency in the Pro III, without keying the transmitter. In other words, when the Pro III changes bands the ACOM 2000A automatically switches to the same band.

73 Jerry

--- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@...> wrote:
>
> Jerry -
>
> When you say adaptor are you referring to a interface cable from the PC to the Acom ?
> I made my own Null modem cable double female DB-9 plug which only requires 3 â□" wires soldered
> and I use the Acom tools.
>
> What is the adaptor you mentioned ?
>
> 73-
> W1JCW
> John
>
>
> From: ki4ge
> Sent: Tuesday, January 18, 2011 10:51 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: 2000A with K3
>
>
> I use the TRX-ACOM program that is part of TRX-Manager to control, through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup works well and there is a TRX-Manager interface for the K3. A special adapter is needed between the ACOM 2000A and your computer. I purchased my adapter from Array Solutions. You can also build one using a circuit downloaded from the ACOM site.
>
> Jerry. KI4GE
>
> --- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@> wrote:
> >
> > I'm delighted with my 2000A and K3. I'd like to be even more delighted.
> >
> > Is there a way to have the K3 electronically control 2000A frequency-band
> > without having to hit the key or talk? Perhaps using N1MM Logger?
> >

> >
> > 73,
> >
> > Hank, W6SX
>
>
>
> [Non-text portions of this message have been removed]
>

3892. Re: [acom-list] Re: 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 19:13:15 UTC
From: W5OV@w5ov.com
Topic: 3880 Message: 3892

Jerry,

Is that right?

I was not aware that the RPON provided that functionality beyond "RPON".

Interesting.

-Bob

> The adapter I referred to is the "Remote Power On" adapter mentioned by
> Bob in the previous post.
>
> When this adapter is interfaced with the computer and the IC 756 Pro III
> using the TRX-ACOM function in TRX-Manager, the ACOM 2000A band switching
> follows the current frequency in the Pro III, without keying the
> transmitter. In other words, when the Pro III changes bands the ACOM
> 2000A automatically switches to the same band.
>
> 73 Jerry
>
> --- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@...> wrote:
>>
>> Jerry -
>>
>> When you say adaptor are you referring to a interface cable from the PC
>> to the Acom ?
>> I made my own Null modem cable double female DB-9 plug which only
>> requires 3 ?" wires soldered
>> and I use the Acom tools.
>>
>> What is the adaptor you mentioned ?
>>
>> 73-
>> W1JCW
>> John
>>
>>
>> From: ki4ge
>> Sent: Tuesday, January 18, 2011 10:51 AM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Re: 2000A with K3
>>
>>
>> I use the TRX-ACOM program that is part of TRX-Manager to control,
>> through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup

>> works well and there is a TRX-Manager interface for the K3. A special
>> adapter is needed between the ACOM 2000A and your computer. I purchased
>> my adapter from Array Solutions. You can also build one using a circuit
>> downloaded from the ACOM site.
>>
>> Jerry. KI4GE
>>
>> --- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@> wrote:
>> >
>> > I'm delighted with my 2000A and K3. I'd like to be even more
>> delighted.
>> >
>> > Is there a way to have the K3 electronically control 2000A
>> frequency-band
>> > without having to hit the key or talk? Perhaps using N1MM Logger?
>> >
>> >
>> > 73,
>> >
>> > Hank, W6SX
>>
>>
>>
>> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3893. Re: 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 19:28:19 UTC
From: ki4ge
Topic: 3880 Message: 3893

The TRX-ACOM program in TRX-Manager transmits the information to the ACOM 2000A necessary to track the frequency of the PRO III. The computer gets its information from the Pro III. The computer is connected through the adapter to the ACOM 2000A.

The adapter provides the interface to the external remote, the computer, and the ACOM antenna switch. With this arrangement, TRX-Manager and its TRX-ACOM program will activate the remote Power on/off, On/Stby, control the antenna switching, and control band changing in the ACOM 2000A. It also permits the remote monitoring of some of the ACOM 2000A parameters such as tube temps, IP, line voltage, etc.

73, Jerry

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> Jerry,
>
> Is that right?
>
> I was not aware that the RPON provided that functionality beyond "RPON".
>
> Interesting.
>
> -Bob
>
>
>
> > The adapter I referred to is the "Remote Power On" adapter mentioned by
> > Bob in the previous post.
> >
> > When this adapter is interfaced with the computer and the IC 756 Pro III
> > using the TRX-ACOM function in TRX-Manager, the ACOM 2000A band switching
> > follows the current frequency in the Pro III, without keying the
> > transmitter. In other words, when the Pro III changes bands the ACOM
> > 2000A automatically switches to the same band.
> >
> > 73 Jerry
> >
> > --- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@> wrote:
> >>
> >> Jerry -
> >>
> >> When you say adaptor are you referring to a interface cable from the PC
> >> to the Acom ?
> >> I made my own Null modem cable double female DB-9 plug which only
> >> requires 3 â□" wires soldered

> >> and I use the Acom tools.
> >>
> >> What is the adaptor you mentioned ?
> >>
> >> 73-
> >> W1JCW
> >> John
> >>
> >>
> >> From: ki4ge
> >> Sent: Tuesday, January 18, 2011 10:51 AM
> >> To: acom-list@yahoogroups.com
> >> Subject: [acom-list] Re: 2000A with K3
> >>
> >>
> >> I use the TRX-ACOM program that is part of TRX-Manager to control,
> >> through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup
> >> works well and there is a TRX-Manager interface for the K3. A special
> >> adapter is needed between the ACOM 2000A and your computer. I purchased
> >> my adapter from Array Solutions. You can also build one using a circuit
> >> downloaded from the ACOM site.
> >>
> >> Jerry. KI4GE
> >>
> >> --- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@> wrote:
> >> >
> >> > I'm delighted with my 2000A and K3. I'd like to be even more
> >> delighted.
> >> >
> >> > Is there a way to have the K3 electronically control 2000A
> >> frequency-band
> >> > without having to hit the key or talk? Perhaps using N1MM Logger?
> >> >
> >> >
> >> > 73,
> >> >
> >> > Hank, W6SX
> >>
> >>
> >>
> >> [Non-text portions of this message have been removed]
> >>
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> > Yahoo! Groups Links

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3894. Re: 2000A control DDUtil

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 19:53:56 UTC
From: dickgreen03755
Topic: 3880 Message: 3894

I've written a Windows application called AntennaMaster (AM for short) that pre-tunes the Acom 2000A when the frequency or antenna is changed. It also has extensive diagnostics for troubleshooting the amp (things like displaying all the operating parameters, displaying memory segments, dumping memory to a file, etc.) and it can automate the autotune process in a way that's similar to the old Acom Tools autotune grid (i.e., you can push a button and AM will cycle through all the antennas and segments on a band and autotune the amp for each combination.) In short, it does everything Acom Tools did, and more.

But Acom 2000A support is just an ancillary feature of the program. It's main function is to automate antenna and device switching in SO2R, M/S and M/2 contest stations. Currently it uses the Hamation Relay Driver over Ethernet for that task, but a USB relay driver kit is in the works by another developer (delivery unknown). It also supports various rotor protocols, SteppIRs and other tunable antennas, and the mircoHam StackMax. The program displays control panels at each station for antenna switching and device control.

I developed AM because my station has nine antennas in two completely separate SO2R switching system, seven rotors, a three-stack of 4-element SteppIRs on Tic rings, switchable filters and stubs, and a switchable bi-directional beverage antenna. All that has to be shared between two radios in SO2R configuration. As my station grew it became way too hard to support all that with hardware switches and diode steering logic. A software application became necessary.

Sounds great, but AM isn't generally available yet. The first incarnation, which was mainly designed for my SO2R station, has been used by me and a couple of other stations for several years. One of them uses AM exclusively for tuning an Acom 2000A amp. The other uses it for switching antennas and tuning Acom 2000As in a highly competitive M/2 station.

Unfortunately, there were significant shortcomings in AM's support for multi-op stations, so I've spent the last year transforming it into a client-server app to deal with networked stations. Most of that work is done and the program is getting very close to the point where I can release the first beta. That said, lots of work remains, especially documentation.

At this point, I haven't decided what to do with AM -- whether to sell it or distribute it for free. I've committed to offering it to YCCC members for free when the USB relay driver is available, but that's probably a ways off. At the moment, I'm trying to figure out just what AM would be worth to stations that need its functionality. I've probably put thousands of hours into development over the years, and it seems reasonable to get some compensation for that and ongoing support. Suggestions on price would be welcome.

I could put together a version that supports only Acom 2000A tuning, or could create a stand-alone app using the drivers I've written, but one of the really nice features of AM is that it tunes the amp based not only on the rig frequency but on the selected antenna. The latter relies on AM's antenna switching capabilities. It's not strictly necessary to use a relay driver for that, but you still have to select antennas using AM's buttons in order for it to know how to tune the amp. If you have only one or two antennas per band,

this isn't a big deal. AM displays only the antennas configured for the current band, and remembers the last one you selected. The Acom-only station I mentioned uses AM without a relay driver because he has the Acom antenna switch and a limited number of antennas per band.

Incidentally, the Acom 2000A communications protocol is, indeed, very obscure. But I've been able to get AM to work with it. We ran into some trouble when my Acom-only beta station tried to use it with the Acom antenna switch, but eventually we figured out how to deal with that.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@...> wrote:
>
> This is the only program I've heard of as well.
>
> I didn't play with it much as it seems like it will take some time.
>
> If you find something or get some information on this DDUtil let us know.
>
> 73-
> W1JCW
> John
>
> From: Mel Whitten
> Sent: Monday, January 17, 2011 2:09 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] 2000A with K3
>
> Hank,
>
> Steve, K5FR learned to communicate with the 2000A
> in the development of his DDUtil program which
> controls the amp nicely with the Flex radios.
>
> He may be able to provide some help for the
> Acom end.
>
> Mel, k0pfx
>
> [Non-text portions of this message have been removed]
>

3895. Re: [acom-list] Re: 2000A control DDUtil

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 20:26:33 UTC
From: Brian Alsop
Topic: 3880 Message: 3895

On 1/18/2011 19:53, dickgreen03755 wrote:
>
>
> I've written a Windows application called AntennaMaster (AM for short)
> that pre-tunes the Acom 2000A when the frequency or antenna is changed.

> I could put together a version that supports only Acom 2000A tuning, or
> could create a stand-alone app using the drivers I've written, but one
> of the really nice features of AM is that it tunes the amp based not
> only on the rig frequency but on the selected antenna.
> 73, Dick WC1M
>

Dick,

A small,simple ap (that could on/off at will) that just tunes the ACOM
would suffice here. However, it should be compatible with XP as well as
those new fangled OS's.

Now if we could just get ACOM to institute a 20db reduction in stepper
motor noise. The shack here is next to the master bedroom ....

73 de Brian/K3KO

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1191 / Virus Database: 1435/3388 - Release Date: 01/18/11

3896. Re: [acom-list] Re: 2000A control DDUtil

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 20:29:21 UTC
From: Brian Alsop
Topic: 3880 Message: 3896

+ it should work with LP-BRIDGE at 38K.

On 1/18/2011 20:26, Brian Alsop wrote:
>
>
> On 1/18/2011 19:53, dickgreen03755 wrote:
> >
> >
> > I've written a Windows application called AntennaMaster (AM for short)
> > that pre-tunes the Acom 2000A when the frequency or antenna is changed.
>
> > I could put together a version that supports only Acom 2000A tuning, or
> > could create a stand-alone app using the drivers I've written, but one
> > of the really nice features of AM is that it tunes the amp based not
> > only on the rig frequency but on the selected antenna.
> > 73, Dick WC1M
> >
>
> Dick,
>
> A small,simple ap (that could on/off at will) that just tunes the ACOM
> would suffice here. However, it should be compatible with XP as well as
> those new fangled OS's.
>
> Now if we could just get ACOM to institute a 20db reduction in stepper
> motor noise. The shack here is next to the master bedroom ....
>
> 73 de Brian/K3KO
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1191 / Virus Database: 1435/3388 - Release Date: 01/18/11
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1191 / Virus Database: 1435/3388 - Release Date: 01/18/11
>

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1191 / Virus Database: 1435/3388 - Release Date: 01/18/11

3897. Re: [acom-list] Re: 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 22:24:28 UTC
From: Fulvio Galli
Topic: 3880 Message: 3897

Hi .. I was also interested in the thread.
This is what I found on the internet:

http://www.dxsupply.com/produktfiler/ACOM2000A-RPON-2000S-PC_Serial-Connections.pdf

Is this what you're talking to ?

Best 73
HB9DHG Fulvio

On Jan 18, 2011, at 8:28 PM, ki4ge wrote:

> The TRX-ACOM program in TRX-Manager transmits the information to the ACOM 2000A necessary to track the frequency of the PRO III. The computer gets its information from the Pro III. The computer is connected through the adapter to the ACOM 2000A.
>
> The adapter provides the interface to the external remote, the computer, and the ACOM antenna switch. With this arrangement, TRX-Manager and its TRX-ACOM program will activate the remote Power on/off, On/Stby, control the antenna switching, and control band changing in the ACOM 2000A. It also permits the remote monitoring of some of the ACOM 2000A parameters such as tube temps, IP, line voltage, etc.
>
> 73, Jerry
>
> --- In acom-list@yahoogroups.com, W5OV@... wrote:
> >
> > Jerry,
> >
> > Is that right?
> >
> > I was not aware that the RPON provided that functionality beyond "RPON".
> >
> > Interesting.
> >
> > -Bob
> >
> >
> >
> > > The adapter I referred to is the "Remote Power On" adapter mentioned by
> > > Bob in the previous post.
> > >
> > > When this adapter is interfaced with the computer and the IC 756 Pro III
> > > using the TRX-ACOM function in TRX-Manager, the ACOM 2000A band switching
> > > follows the current frequency in the Pro III, without keying the
> > > transmitter. In other words, when the Pro III changes bands the ACOM
> > > 2000A automatically switches to the same band.

> > >
> > > 73 Jerry
> > >
> > > --- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@> wrote:
> > >>
> > >> Jerry -
> > >>
> > >> When you say adaptor are you referring to a interface cable from the PC
> > >> to the Acom ?
> > >> I made my own Null modem cable double female DB-9 plug which only
> > >> requires 3 â€" wires soldered
> > >> and I use the Acom tools.
> > >>
> > >> What is the adaptor you mentioned ?
> > >>
> > >> 73-
> > >> W1JCW
> > >> John
> > >>
> > >>
> > >> From: ki4ge
> > >> Sent: Tuesday, January 18, 2011 10:51 AM
> > >> To: acom-list@yahoogroups.com
> > >> Subject: [acom-list] Re: 2000A with K3
> > >>
> > >>
> > >> I use the TRX-ACOM program that is part of TRX-Manager to control,
> > >> through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup
> > >> works well and there is a TRX-Manager interface for the K3. A special
> > >> adapter is needed between the ACOM 2000A and your computer. I purchased
> > >> my adapter from Array Solutions. You can also build one using a circuit
> > >> downloaded from the ACOM site.
> > >>
> > >> Jerry. KI4GE
> > >>
> > >> --- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@> wrote:
> > >> >
> > >> > I'm delighted with my 2000A and K3. I'd like to be even more
> > >> delighted.
> > >> >
> > >> > Is there a way to have the K3 electronically control 2000A
> > >> frequency-band
> > >> > without having to hit the key or talk? Perhaps using N1MM Logger?
> > >> >
> > >> >
> > >> > 73,
> > >> >
> > >> > Hank, W6SX
> > >>
> > >>

> > >>
> > >> [Non-text portions of this message have been removed]
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> > > Yahoo! Groups Links
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3898. Re: [acom-list] 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-18 22:31:29 UTC
From: Hank Garretson
Topic: 3880 Message: 3898

On Tue, Jan 18, 2011 at 10:32 AM, <W5OV@...> wrote:

> I'm not sure why this method of band changing is seen as inferior when it
> requires no connection to the computer at all and works right 100% of the
> time. Adding software and other interfaces to the mix seems to make the
> 2000A less reliable rather than more.
>

Well, in my case it doesn't work right 100% of the time. Changing from twenty to forty, a single dit from my K3 will trip the 2000A. I've learned to hit the K3 TUNE button instead of the paddle. Other band changes work fine with a dit.

It would be nice to have the ACOM follow the K3 ahead of time.

Ski Exuberantly,

Hank, W6SX

Mammoth Lakes, California

Elevation 8083 feet in John Muir's Range of Light

[Non-text portions of this message have been removed]

3899. Re: 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-19 00:15:33 UTC
From: ki4ge
Topic: 3880 Message: 3899

Yes, the adapter is manufactured by ACOM and is available from ACOM distributors such as Array Solutions. A program like the TRX-ACOM in TRX-Manager, which was developed by F6DEX, is also necessary to have the ACOM 2000A automatically track the receiver and to control ACOM 2000A functions, such as On/OFF and Opr/Stby, over the internet.

KI4GE, Jerry

--- In acom-list@yahoogroups.com, Fulvio Galli <hb9dhg@...> wrote:
>
> Hi .. I was also interested in the thread.
> This is what I found on the internet:
>
> http://www.dxsupply.com/produktfiler/ACOM2000A-RPON-2000S-PC_Serial-Connections.pdf
>
> Is this what you're talking to ?
>
> Best 73
> HB9DHG Fulvio
>
> On Jan 18, 2011, at 8:28 PM, ki4ge wrote:
>
> > The TRX-ACOM program in TRX-Manager transmits the information to the ACOM 2000A necessary to track the frequency of the PRO III. The computer gets its information from the Pro III. The computer is connected through the adapter to the ACOM 2000A.
> >
> > The adapter provides the interface to the external remote, the computer, and the ACOM antenna switch. With this arrangement, TRX-Manager and its TRX-ACOM program will activate the remote Power on/off, On/Stby, control the antenna switching, and control band changing in the ACOM 2000A. It also permits the remote monitoring of some of the ACOM 2000A parameters such as tube temps, IP, line voltage, etc.
> >
> > 73, Jerry
> >
> > --- In acom-list@yahoogroups.com, W5OV@ wrote:
> > >
> > > Jerry,
> > >
> > > Is that right?
> > >
> > > I was not aware that the RPON provided that functionality beyond "RPON".
> > >
> > > Interesting.
> > >
> > > -Bob
> > >
> > >

> > >
> > > > The adapter I referred to is the "Remote Power On" adapter mentioned by
> > > > Bob in the previous post.
> > > >
> > > > When this adapter is interfaced with the computer and the IC 756 Pro III
> > > > using the TRX-ACOM function in TRX-Manager, the ACOM 2000A band switching
> > > > follows the current frequency in the Pro III, without keying the
> > > > transmitter. In other words, when the Pro III changes bands the ACOM
> > > > 2000A automatically switches to the same band.
> > > >
> > > > 73 Jerry
> > > >
> > > > --- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@> wrote:
> > > >>
> > > >> Jerry -
> > > >>
> > > >> When you say adaptor are you referring to a interface cable from the PC
> > > >> to the Acom ?
> > > >> I made my own Null modem cable double female DB-9 plug which only
> > > >> requires 3 â□" wires soldered
> > > >> and I use the Acom tools.
> > > >>
> > > >> What is the adaptor you mentioned ?
> > > >>
> > > >> 73-
> > > >> W1JCW
> > > >> John
> > > >>
> > > >>
> > > >> From: ki4ge
> > > >> Sent: Tuesday, January 18, 2011 10:51 AM
> > > >> To: acom-list@yahoogroups.com
> > > >> Subject: [acom-list] Re: 2000A with K3
> > > >>
> > > >>
> > > >> I use the TRX-ACOM program that is part of TRX-Manager to control,
> > > >> through my ICOM 756 Pro III, my ACOM 2000A over the internet. This setup
> > > >> works well and there is a TRX-Manager interface for the K3. A special
> > > >> adapter is needed between the ACOM 2000A and your computer. I purchased
> > > >> my adapter from Array Solutions. You can also build one using a circuit
> > > >> downloaded from the ACOM site.
> > > >>
> > > >> Jerry. KI4GE
> > > >>
> > > >> --- In mailto:acom-list%40yahoogroups.com, Hank Garretson <w6sx@> wrote:
> > > >> >
> > > >> > I'm delighted with my 2000A and K3. I'd like to be even more
> > > >> delighted.
> > > >> >

> > > >> > Is there a way to have the K3 electronically control 2000A
> > > >> frequency-band
> > > >> > without having to hit the key or talk? Perhaps using N1MM Logger?
> > > >> >
> > > >> >
> > > >> > 73,
> > > >> >
> > > >> > Hank, W6SX
> > > >>
> > > >>
> > > >>
> > > >> [Non-text portions of this message have been removed]
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> > > > Yahoo! Groups Links
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>

3900. Re: [acom-list] 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-19 00:29:45 UTC
From: Dave Hawes
Topic: 3880 Message: 3900

I agree that band changes with a dit are NOT 100% reliable here either.
Probably 95% of the time, but that 5% is aggravating. I would like a small
interface that would watch the K3's TX frequency and switch to that segment.

73 - Dave N3RD

On 18 Jan 2011 at 14:31, Hank Garretson wrote:

> On Tue, Jan 18, 2011 at 10:32 AM, <W5OV@...> wrote:
>
> > I'm not sure why this method of band changing is seen as inferior when it
> > requires no connection to the computer at all and works right 100% of the
> > time. Adding software and other interfaces to the mix seems to make the
> > 2000A less reliable rather than more.
> >
>
> Well, in my case it doesn't work right 100% of the time. Changing from
> twenty to forty, a single dit from my K3 will trip the 2000A. I've learned
> to hit the K3 TUNE button instead of the paddle. Other band changes work
> fine with a dit.
>
> It would be nice to have the ACOM follow the K3 ahead of time.
>
> Ski Exuberantly,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

3901. Re: [acom-list] Re: 2000A control interface

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-19 14:14:29 UTC
From: Brian Alsop
Topic: 3880 Message: 3901

You're using an atom bomb to kill a flea if you have to use all of TRX manager just to follow the rig's freq.

KISS is the answer.

73 de Brian/K3KO

On 1/19/2011 00:15, ki4ge wrote:
>
>
> Yes, the adapter is manufactured by ACOM and is available from ACOM
> distributors such as Array Solutions. A program like the TRX-ACOM in
> TRX-Manager, which was developed by F6DEX, is also necessary to have the
> ACOM 2000A automatically track the receiver and to control ACOM 2000A
> functions, such as On/OFF and Opr/Stby, over the internet.
>
> KI4GE, Jerry
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1191 / Virus Database: 1435/3388 - Release Date: 01/18/11

3902. TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-19 22:08:19 UTC
From: Bob
Topic: 3902 Message: 3902

When using my TS590 on CW (haven't tried it on SSB yet) with the Acom 2000 or 1000, I notice an instantaneous power spike at the start of the first character. With everything set up to run 400W, the Acom 2000 shows an instantaneous peak of 2kW on it's LED display and the same spike is visible on an external digital power meter. A similar thing happens with the Acom 1000. The TS590 is set for 25ms delay between switching on the amp and applying RF.

Does anyone have any thoughts about this please? Is it a potential problem, something unique to the TS590, or just an anomaly caused by the way the power meters operate?

73 Bob G3YIQ

3903. Re: [acom-list] TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 00:11:03 UTC
From: Jim Cox
Topic: 3902 Message: 3903

I noticed the same thing here on an Acom 1000 and an Alpha 8410 amp. There is the peak at about 100 watts peak out on the 590. Evidentally the transmitt alc is not very efficent on the 590.
I got rid of the 590 as none of my Icoms or K3 has this probem.

Jim K4JAF

----- Original Message -----
From: Bob
To: acom-list@yahoogroups.com
Sent: Wednesday, January 19, 2011 4:08 PM
Subject: [acom-list] TS590 with Acom 1000 and 2000 - power spike

When using my TS590 on CW (haven't tried it on SSB yet) with the Acom 2000 or 1000, I notice an instantaneous power spike at the start of the first character. With everything set up to run 400W, the Acom 2000 shows an instantaneous peak of 2kW on it's LED display and the same spike is visible on an external digital power meter. A similar thing happens with the Acom 1000. The TS590 is set for 25ms delay between switching on the amp and applying RF.

Does anyone have any thoughts about this please? Is it a potential problem, something unique to the TS590, or just an anomaly caused by the way the power meters operate?

73 Bob G3YIQ

[Non-text portions of this message have been removed]

3904. Re: TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 08:16:34 UTC
From: Uffe
Topic: 3902 Message: 3904

This is caused by the ALC power regulation loop. There are two ways of adressing this:

1. Always run the set at full output, and use an attenuator to adjust the drive power.

2. Apply a constant DC (negative) to the ALC input of the transceiver.

The best way of course would be to remove the ALC loop all together and use an open-loop power regulation.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Bob" <g3yiq@...> wrote:
>
> When using my TS590 on CW (haven't tried it on SSB yet) with the Acom 2000 or 1000, I notice an instantaneous power spike at the start of the first character. With everything set up to run 400W, the Acom 2000 shows an instantaneous peak of 2kW on it's LED display and the same spike is visible on an external digital power meter. A similar thing happens with the Acom 1000. The TS590 is set for 25ms delay between switching on the amp and applying RF.
>
> Does anyone have any thoughts about this please? Is it a potential problem, something unique to the TS590, or just an anomaly caused by the way the power meters operate?
>
> 73 Bob G3YIQ
>

3905. Re: [acom-list] Re: TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 08:25:18 UTC
From: Hans Remeeus
Topic: 3902 Message: 3905

Correct.

ALC should only be used with exciters who have tubes in their endstage,
or when you use a linear amplifier with semiconductors like FET's.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 20-1-2011 9:16, Uffe schreef:
> This is caused by the ALC power regulation loop. There are two ways of adressing this:
>
> 1. Always run the set at full output, and use an attenuator to adjust the drive power.
>
> 2. Apply a constant DC (negative) to the ALC input of the transceiver.
>
> The best way of course would be to remove the ALC loop all together and use an open-loop
power regulation.
>
> 73 Uffe PA5DD
>

[Non-text portions of this message have been removed]

3906. Re: [acom-list] TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 11:07:07 UTC
From: wally
Topic: 3902 Message: 3906

New TS590S firmware V1.02 released today by Kenwood is said to be solving the spike problem and few other bugs, too :-).

Visit www.kenwoodusa.com and dowload it for free.

73 de Wally LZ2CJ

--- "Jim Cox" <jcox123@...> wrote:
> I noticed the same thing here on an Acom 1000 and an Alpha 8410 amp.
> There is the peak at about 100 watts peak out on the 590. Evidentally the
> transmitt alc is not very efficent on the 590.
> I got rid of the 590 as none of my Icoms or K3 has this probem.
>
> Jim K4JAF
>
>
> ----- Original Message -----
> From: Bob
> To: acom-list@yahoogroups.com
> Sent: Wednesday, January 19, 2011 4:08 PM
> Subject: [acom-list] TS590 with Acom 1000 and 2000 - power spike
>
>
>
> When using my TS590 on CW (haven't tried it on SSB yet) with the Acom
> 2000 or 1000, I notice an instantaneous power spike at the start of the
> first character. With everything set up to run 400W, the Acom 2000 shows an
> instantaneous peak of 2kW on it's LED display and the same spike is visible
> on an external digital power meter. A similar thing happens with the Acom
> 1000. The TS590 is set for 25ms delay between switching on the amp and
> applying RF.
>
> Does anyone have any thoughts about this please? Is it a potential
> problem, something unique to the TS590, or just an anomaly caused by the
> way the power meters operate?
>
> 73 Bob G3YIQ
>
>
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3907. Re: [acom-list] TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 11:56:47 UTC
From: Paul Christensen
Topic: 3902 Message: 3907

> New TS590S firmware V1.02 released today by Kenwood is said to be solving
> the spike problem and few other bugs, too :-).

The CW RF waveform should be validated with a scope to ensure they did not introduce any new keying artifacts while attempting cure another.

Paul, W9AC

3908. Re: [acom-list] TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 11:59:42 UTC
From: Paul Christensen
Topic: 3902 Message: 3908

> "This is caused by the ALC power regulation loop. There are two ways of
> adressing this: 1. Always run the set at full output, and use an
> attenuator to adjust the drive power. 2. Apply a constant DC (negative) to
> the ALC input of the transceiver."

I would not suggest either of those two methods. I would first try the firmware fix and validate the CW RF waveform, especially for sharp spikes that may not be immediately visible unless using a fast storage scope.

Notwithstanding a possible firmware fix, the cure for the TS-590 is simple: In CW mode, simply turn down the CARrier Control until minimal ALC action is displayed on the TS-590 meter. The power spike will disappear.

Paul, W9AC

3909. Re: [acom-list] TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 12:03:31 UTC
From: wally
Topic: 3902 Message: 3909

Paul,

Guess this should be addressed to Kenwood USA,not to me, since I am a simple dentist. :-)

Btw with home brew amps on two GU74b at LZ9W my TS590S works just fine.
We observed that spike with our two ACOM 2000 amps,too.

73, de Wally LZ2CJ
owner of TS590S

--- "Paul Christensen" <pchristensen@...> ????????:
> > New TS590S firmware V1.02 released today by Kenwood is said to be solving

> > the spike problem and few other bugs, too :-).
>
> The CW RF waveform should be validated with a scope to ensure they did not
> introduce any new keying artifacts while attempting cure another.
>
> Paul, W9AC

3910. Re: [acom-list] TS590 with Acom 1000 and 2000 - power spike

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-20 15:11:02 UTC
From: Fulvio
Topic: 3902 Message: 3910

http://www.kenwood.com/i/products/info/amateur/ts_590/ts590_update_e.html

2011/1/20 Paul Christensen <pchristensen@...>:
>> "This is caused by the ALC power regulation loop. There are two ways of
>> adressing this: 1. Always run the set at full output, and use an
>> attenuator to adjust the drive power. 2. Apply a constant DC (negative) to
>> the ALC input of the transceiver."
>
> I would not suggest either of those two methods. I would first try the
> firmware fix and validate the CW RF waveform, especially for sharp spikes
> that may not be immediately visible unless using a fast storage scope.
>
> Notwithstanding a possible firmware fix, the cure for the TS-590 is simple:
> In CW mode, simply turn down the CARrier Control until minimal ALC action is
> displayed on the TS-590 meter. The power spike will disappear.
>
> Paul, W9AC
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

3911. Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-23 22:07:20 UTC
From: Bob
Topic: 3911 Message: 3911

I'm driving my 2000A with a TS590S. The radio offers a choice of settings for the amplifier keying line. The quietest one (for QSK) has a maximum rating of 12V at 10ma. I can't seem to find any information on the spec for the Acom keying line. Can anyone tell me if this settingis going to work or do I need to use the bigger relays in the TS590S?

73 Bob

3912. Re: [acom-list] Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-23 22:50:51 UTC
From: Brian Alsop
Topic: 3911 Message: 3912

Bob,

Get out your VOM. Measure the voltage on the key in jack. Then use the
millimmeter scale to measure the current flow when the center conductor
is shorted to ground.

73 de Brian/K3KO

On 1/23/2011 22:07, Bob wrote:
>
>
> I'm driving my 2000A with a TS590S. The radio offers a choice of
> settings for the amplifier keying line. The quietest one (for QSK) has a
> maximum rating of 12V at 10ma. I can't seem to find any information on
> the spec for the Acom keying line. Can anyone tell me if this settingis
> going to work or do I need to use the bigger relays in the TS590S?
>
> 73 Bob
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1191 / Virus Database: 1435/3398 - Release Date: 01/23/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1191 / Virus Database: 1435/3398 - Release Date: 01/23/11

3913. Re: [acom-list] Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-24 07:01:58 UTC
From: Hans Remeeus
Topic: 3911 Message: 3913

Hello Bob,

The electrical specifications of the Acom 2000A's input (KEY IN) are:
- Switching Voltage (open circuit): 15V max., plus to ground
- Closed-circuit current: 15mA max.

The electrical specifications of the Acom 2000A's output (KEY OUT) are:
- Switching Voltage capability (open circuit): up to +50V
- Switching current capability (closed circuit): up to 20mA
- Resistance @ 20mA current (closed circuit): maximum 120 Ohm

I don't believe that you need bigger relays in the TS-590S to drive your
Acom 2000A.

From a good friend I heard that the TS-590S suffers power spikes
(overshoot to the full 100 Watt output). This could be a problem with
the 2000A; I am sure it is... Please try and let us know.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 23-1-2011 23:07, Bob schreef:
> I'm driving my 2000A with a TS590S. The radio offers a choice of settings for the amplifier keying line. The quietest one (for QSK) has a maximum rating of 12V at 10ma. I can't seem to find any information on the spec for the Acom keying line. Can anyone tell me if this settingis going to work or do I need to use the bigger relays in the TS590S?
>
> 73 Bob
>
>
>

[Non-text portions of this message have been removed]

3914. Re: Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-24 18:20:14 UTC
From: Bob
Topic: 3911 Message: 3914

Thanks Brian - sometimes the obvious answers are the ones we miss!
Still surprised that it's not documented...

73 Bob G3YIQ

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Bob,
>
> Get out your VOM. Measure the voltage on the key in jack. Then use the
> millimmeter scale to measure the current flow when the center conductor
> is shorted to ground.
>
> 73 de Brian/K3KO
>
> On 1/23/2011 22:07, Bob wrote:
> >
> >
> > I'm driving my 2000A with a TS590S. The radio offers a choice of
> > settings for the amplifier keying line. The quietest one (for QSK) has a
> > maximum rating of 12V at 10ma. I can't seem to find any information on
> > the spec for the Acom keying line. Can anyone tell me if this settingis
> > going to work or do I need to use the bigger relays in the TS590S?
> >
> > 73 Bob
> >
> >
> > ---
> >
> > No virus found in this message.
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> > Version: 10.0.1191 / Virus Database: 1435/3398 - Release Date: 01/23/11
> >
>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1191 / Virus Database: 1435/3398 - Release Date: 01/23/11
>

3915. Re: [acom-list] Re: Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-24 18:25:51 UTC
From: Hans Remeeus
Topic: 3911 Message: 3915

Hello Bob,

It is documented...

KEYINOUT.TXT:

Information about the KEY-IN and KEY-OUT connections.

Both amplifiers ACOM1000 and ACOM2000A are QSK-compatible with all QSK-capable transceivers on the market. The only limitations are the electrical specifications of the signals KEY-IN and KEY-OUT. The keying circuit requirements for the ACOM1000 and the ACOM2000A are identical.

1. The amplifier's T/R-control input for the antenna relay is called "KEY-IN". When in OPERATE mode, on this input appears a DC signal that is to be held low to activate the amplifier to the transmit mode. This can be done via either a relay contact or a semiconductor (transistor or integrated circuit) with suitable polarity (plus to the ground).

NOTE: You should prefer a semiconductor output when it is available on your transceiver, since relay contacts on some models are slow with respect to their RF output. You may see a "Hot-Switching Warning" or "RF detected at wrong time" message otherwise. This message means that an eventual hot switching has been prevented by the amplifier's protection system. You should change to the semiconductor output in such conditions. In addition, utilizing the semiconductor output, you may disable the transceiver's relay clicking (on some models there is a switch intended for a case when the relay is not needed).

The electrical specifications of the amplifier's KEY-IN input are as follows:

- Switching voltage (open circuit) - 15V max, plus to the ground;
- Closed-circuit current - 15mA max;
- Voltage drop / resistance of the control output @ 15mA (closed circuit) - 1.5V/250 Ohm max.

You can control the KEY-IN signal in two different methods. Look at (3) for a second way.

For the preferred mode, you have to connect the KEY-IN socket to the transceiver's output that goes to the ground when you transmit. Practically all transceivers have such an output, and their electrical specifications exceed the amplifier's requirements. Transceivers producers give different names to this output, and they are for instance: TX-GND, SEND, *T/R-LINE, KEY-OUT, etc.

Some transceivers require that their signal "ground on transmit" be implemented via a software command, or by changing of a switch on the rear panel, or interior of the transceiver. Some models generate a "+12V on TX" signal. Then, you may need a simple n-p-n or n-mos transistor, controlled through a 10kOhm resistor to the base or gate, in order to "invert" the available signal in a "GND on TX". Look in your transceiver's manual or contact your dealer or ACOM directly for details about a particular model.

Please use always shielded cables for these connections.

2. The KEY-OUT socket on the rear panel is a "phono" type (RCA) connector. When you don't use the second method of the connection (see p.3), this is an extra output signal from the amplifier, that could be either used or not. When used, it would improve the T/R process of switching and would increase the exploitation reliability.

The KEY-OUT output is usable when the transceiver has available a respective input to disable transmitting when the amplifier may need it. If your transceiver has no such input, or you use the second way of the KEY-IN connection (p.3), please don't worry: the amplifier will be fully protected and will function normally, so the KEY-OUT may remain unused. If your transceiver however possesses a suitable input that is capable to disable transmission, we recommend that you utilize that feature. Just connect this input of the transceiver to the KEY-OUT socket of the amplifier.

Transceiver producers give different names to this input, and they are for instance: TX-INHIBIT, MUTE, LINEAR, KEY-IN, etc. It is available sometimes on BAND-DATA, ACC, EXT, LIN, ATU, and etc rear-panel connectors. Some transceivers may require that a "transmit disable" function is implemented via a software command, or by changing of a switch, or via adding an external pull-up resistor, etc. Look in your transceiver's manual. You have to use the preferred connection of the KEY-IN socket (p.1) to utilize this feature.

The output KEY-OUT of the amplifier is an open-drain circuit and it can hold a positive DC signal to the ground. During all the periods when the amplifier is ready to transmit, this line will always pattern the requests "GND on TX" in order to enable transmission. When transmitting is not permissible, the output becomes open (for instance, while the antenna relay is in process of switching-over) and the transceiver would stop RF driving.

The electrical specifications and timing of the amplifier's KEY-OUT output are as follows:

- Switching voltage (open circuit) - up to +50V,
- Switching current (closed circuit) - up to 20mA,
- Internal resistance @ 20mA (closed circuit) - 120 Ohm max,
- Delay time - 5ms max (2...3ms typically).

While the amplifier is not powered, and in STANDBY mode, this output is directly connected to the KEY-IN socket. Thus, the amplifier will send back the "ground on transmit" signal to the "TX enable"-input of the transceiver always during OFF and STBY modes in order not to disable any transmission.

In OPERATE mode the signal KEY-OUT will pattern the signal "ground on transmit" that is coming on the socket KEY-IN, always when the antenna relay is in safe position and when no other warning is present. The signal KEY-OUT will reject transmitting if the amplifier detects any risk condition.

Besides, the amplifier contains an independent self-protection that looks after the relay safety during a T/R-switching, regardless of taking or not an advantage of the KEY-OUT signal.

3. If your transceiver has not a suitable connector providing an output signal "ground on transmit" nor "+12V on transmit", you can use the second connection method as described below.

Connect the PTT or CW-keying contact to the amplifier's socket KEY-IN on the rear panel. Then connect the amplifier's socket KEY-OUT to the input PTT or CW-KEY of the transceiver. Always use shielded cables for these connections.

CAUTION: Please check up, that the parameters of the signals PTT and CW-key of the transceiver met the specifications of the "KEY-OUT" output of the amplifier (see p.2 above). Some very old transceivers models may require buffering if the requirement is higher than 50V/20mA.

With the second way of connection, the amplifier will just pass the PTT or keying signal directly to the transceiver always when powered off and during STBY mode. During OPERATE, the signal will pattern your PTT/keying after the antenna relay reaches a safe position, and will disable transmission during relay's motion as well as during any risk condition.

The second way of controlling the transmit/receive process could be very useful also if the transceiver has an incorrect timing sequence of its T/R signals. For instance, if the RF power appears before a "ground on transmit" is fed to the amplifier.

By ACOM

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 24-1-2011 19:20, Bob schreef:
> Thanks Brian - sometimes the obvious answers are the ones we miss!
> Still surprised that it's not documented...
>

> 73 Bob G3YIQ
>

[Non-text portions of this message have been removed]

3916. Re: Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-24 18:36:33 UTC
From: Bob
Topic: 3911 Message: 3916

Thank you Hans. By the way, it appears that Kenwood is addressing the power spike issue with the latest firmware upgrade. I will try it tonight. Here is the information from the Yahoo group reflector:

This is what Firmware 1.02 fix

Updated items : (Version 1.01 1.02) [January 20, 2011]
Revises the following symptoms.

1. In [SSB-DATA] mode, Speech Processor might not be disabled internally.
2. At the end of TX tune mode, carrier output returns to normal mode level after a short delay.
3. When the TS-590S is turned ON, the USB port connection may be unstable.
4. When the built-in electronic keyer is set to Mode A, CW keying may not work properly.
5. TX rise time power spike activates some linear amplifiers' input power protections.
(The firmware Ver.1.02 revises the ALC response characteristics to reduce the power spike.)
6. When a separate RX ANT is connected, TX output power may be fed back to the RX ANT connector and might affect internal circuits.
(The firmware Ver.1.02 deactivates (opens) RX ANT relay every time the radio transmits.)

73 Bob

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Bob,
>
> It is documented...
>
> KEYINOUT.TXT:
>
> Information about the KEY-IN and KEY-OUT connections.
>
> Both amplifiers ACOM1000 and ACOM2000A are QSK-compatible with all
> QSK-capable transceivers on the market. The only limitations are the
> electrical specifications of the signals KEY-IN and KEY-OUT. The keying
> circuit requirements for the ACOM1000 and the ACOM2000A are identical.
>
> 1. The amplifier's T/R-control input for the antenna relay is called
> "KEY-IN". When in OPERATE mode, on this input appears a DC signal that
> is to be held low to activate the amplifier to the transmit mode. This
> can be done via either a relay contact or a semiconductor (transistor or
> integrated circuit) with suitable polarity (plus to the ground).
>
> NOTE: You should prefer a semiconductor output when it is available on
> your transceiver, since relay contacts on some models are slow with

> respect to their RF output. You may see a "Hot-Switching Warning" or "RF
> detected at wrong time" message otherwise. This message means that an
> eventual hot switching has been prevented by the amplifier's protection
> system. You should change to the semiconductor output in such
> conditions. In addition, utilizing the semiconductor output, you may
> disable the transceiver's relay clicking (on some models there is a
> switch intended for a case when the relay is not needed).
>
> The electrical specifications of the amplifier's KEY-IN input are as
> follows:
>
> - Switching voltage (open circuit) - 15V max, plus to the ground;
> - Closed-circuit current - 15mA max;
> - Voltage drop / resistance of the control output @ 15mA (closed
> circuit) - 1.5V/250 Ohm max.
>
> You can control the KEY-IN signal in two different methods. Look at (3)
> for a second way.
>
> For the preferred mode, you have to connect the KEY-IN socket to the
> transceiver's output that goes to the ground when you transmit.
> Practically all transceivers have such an output, and their electrical
> specifications exceed the amplifier's requirements. Transceivers
> producers give different names to this output, and they are for
> instance: TX-GND, SEND, *T/R-LINE, KEY-OUT, etc.
>
> Some transceivers require that their signal "ground on transmit" be
> implemented via a software command, or by changing of a switch on the
> rear panel, or interior of the transceiver. Some models generate a "+12V
> on TX" signal. Then, you may need a simple n-p-n or n-mos transistor,
> controlled through a 10kOhm resistor to the base or gate, in order to
> "invert" the available signal in a "GND on TX". Look in your
> transceiver's manual or contact your dealer or ACOM directly for details
> about a particular model.
>
> Please use always shielded cables for these connections.
>
> 2. The KEY-OUT socket on the rear panel is a "phono" type (RCA)
> connector. When you don't use the second method of the connection (see
> p.3), this is an extra output signal from the amplifier, that could be
> either used or not. When used, it would improve the T/R process of
> switching and would increase the exploitation reliability.
>
> The KEY-OUT output is usable when the transceiver has available a
> respective input to disable transmitting when the amplifier may need it.
> If your transceiver has no such input, or you use the second way of the
> KEY-IN connection (p.3), please don't worry: the amplifier will be fully
> protected and will function normally, so the KEY-OUT may remain unused.
> If your transceiver however possesses a suitable input that is capable
> to disable transmission, we recommend that you utilize that feature.

> Just connect this input of the transceiver to the KEY-OUT socket of the
> amplifier.
>
> Transceiver producers give different names to this input, and they are
> for instance: TX-INHIBIT, MUTE, LINEAR, KEY-IN, etc. It is available
> sometimes on BAND-DATA, ACC, EXT, LIN, ATU, and etc rear-panel
> connectors. Some transceivers may require that a "transmit disable"
> function is implemented via a software command, or by changing of a
> switch, or via adding an external pull-up resistor, etc. Look in your
> transceiver's manual. You have to use the preferred connection of the
> KEY-IN socket (p.1) to utilize this feature.
>
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> hold a positive DC signal to the ground. During all the periods when the
> amplifier is ready to transmit, this line will always pattern the
> requests "GND on TX" in order to enable transmission. When transmitting
> is not permissible, the output becomes open (for instance, while the
> antenna relay is in process of switching-over) and the transceiver would
> stop RF driving.
>
> The electrical specifications and timing of the amplifier's KEY-OUT
> output are as follows:
>
> - Switching voltage (open circuit) - up to +50V,
> - Switching current (closed circuit) - up to 20mA,
> - Internal resistance @ 20mA (closed circuit) - 120 Ohm max,
> - Delay time - 5ms max (2...3ms typically).
>
> While the amplifier is not powered, and in STANDBY mode, this output is
> directly connected to the KEY-IN socket. Thus, the amplifier will send
> back the "ground on transmit" signal to the "TX enable"-input of the
> transceiver always during OFF and STBY modes in order not to disable any
> transmission.
>
> In OPERATE mode the signal KEY-OUT will pattern the signal "ground on
> transmit" that is coming on the socket KEY-IN, always when the antenna
> relay is in safe position and when no other warning is present. The
> signal KEY-OUT will reject transmitting if the amplifier detects any
> risk condition.
>
> Besides, the amplifier contains an independent self-protection that
> looks after the relay safety during a T/R-switching, regardless of
> taking or not an advantage of the KEY-OUT signal.
>
> 3. If your transceiver has not a suitable connector providing an output
> signal "ground on transmit" nor "+12V on transmit", you can use the
> second connection method as described below.
>
> Connect the PTT or CW-keying contact to the amplifier's socket KEY-IN on
> the rear panel. Then connect the amplifier's socket KEY-OUT to the input

> PTT or CW-KEY of the transceiver. Always use shielded cables for these
> connections.
>
> CAUTION: Please check up, that the parameters of the signals PTT and
> CW-key of the transceiver met the specifications of the "KEY-OUT" output
> of the amplifier (see p.2 above). Some very old transceivers models may
> require buffering if the requirement is higher than 50V/20mA.
>
> With the second way of connection, the amplifier will just pass the PTT
> or keying signal directly to the transceiver always when powered off and
> during STBY mode. During OPERATE, the signal will pattern your
> PTT/keying after the antenna relay reaches a safe position, and will
> disable transmission during relay's motion as well as during any risk
> condition.
>
> The second way of controlling the transmit/receive process could be very
> useful also if the transceiver has an incorrect timing sequence of its
> T/R signals. For instance, if the RF power appears before a "ground on
> transmit" is fed to the amplifier.
>
> By ACOM
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 24-1-2011 19:20, Bob schreef:
> > Thanks Brian - sometimes the obvious answers are the ones we miss!
> > Still surprised that it's not documented...
> >
> > 73 Bob G3YIQ
> >
>
>
> [Non-text portions of this message have been removed]
>

3917. Re: [acom-list] Re: Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-24 19:07:34 UTC
From: Hans Remeeus
Topic: 3911 Message: 3917

Hello Bob,

This is an excellent initiative of Kenwood, because powerspikes are very unpleasant during QSO's. I know this when I used the IC-775DSP which suffered power spikes too.

Enjoy your TS-590S and 2000A!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 24-1-2011 19:36, Bob schreef:
> Thank you Hans. By the way, it appears that Kenwood is addressing the power spike issue with the latest firmware upgrade. I will try it tonight. Here is the information from the Yahoo group reflector:
>
> This is what Firmware 1.02 fix
>
> Updated items : (Version 1.01 1.02) [January 20, 2011]
> Revises the following symptoms.
>
> 1. In [SSB-DATA] mode, Speech Processor might not be disabled internally.
> 2. At the end of TX tune mode, carrier output returns to normal mode level after a short delay.
> 3. When the TS-590S is turned ON, the USB port connection may be unstable.
> 4. When the built-in electronic keyer is set to Mode A, CW keying may not work properly.
> 5. TX rise time power spike activates some linear amplifiers' input power protections.
> (The firmware Ver.1.02 revises the ALC response characteristics to reduce the power spike.)
> 6. When a separate RX ANT is connected, TX output power may be fed back to the RX ANT connector and might affect internal circuits.
> (The firmware Ver.1.02 deactivates (opens) RX ANT relay every time the radio transmits.)
>
> 73 Bob
>
>

[Non-text portions of this message have been removed]

3918. Re: Acom 2000A key-in spec

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-24 18:25:14 UTC
From: Bob
Topic: 3911 Message: 3918

Hello Hans,

Thanks for the information. The TS590S spec states a maximum of 10mA current is available to switch in Position 1, when the relays are quiet, so I think I must use the

The power spikes do appear to be a problem. They are not enough to cause the amplifier protection to cut in and I saw the same thing on the Acom 1000. I would guess that Kenwood can resolve this problem with a software update. I'll check on the TS590 reflector and see what is said there.

In the meantime, I'll go and measure the actual current on closure of the key-in contacts and see what happens.

Thanks for your help.

73 Bob G3YIQ

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Bob,
>
> The electrical specifications of the Acom 2000A's input (KEY IN) are:
> - Switching Voltage (open circuit): 15V max., plus to ground
> - Closed-circuit current: 15mA max.
>
> The electrical specifications of the Acom 2000A's output (KEY OUT) are:
> - Switching Voltage capability (open circuit): up to +50V
> - Switching current capability (closed circuit): up to 20mA
> - Resistance @ 20mA current (closed circuit): maximum 120 Ohm
>
> I don't believe that you need bigger relays in the TS-590S to drive your
> Acom 2000A.
>
> From a good friend I heard that the TS-590S suffers power spikes
> (overshoot to the full 100 Watt output). This could be a problem with
> the 2000A; I am sure it is... Please try and let us know.
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>

>
> Op 23-1-2011 23:07, Bob schreef:
> > I'm driving my 2000A with a TS590S. The radio offers a choice of settings for the amplifier keying line. The quietest one (for QSK) has a maximum rating of 12V at 10ma. I can't seem to find any information on the spec for the Acom keying line. Can anyone tell me if this settingis going to work or do I need to use the bigger relays in the TS590S?
> >
> > 73 Bob
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

3919. IG1-3.5MA

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-29 15:06:54 UTC
From: modessb
Topic: 3919 Message: 3919

I have a friend who also has an Acom 2000A who just told me during our 40 meter roundtable he was sitting with the amp in idle (not transmitting) listening to the conversation of the group when he noticed his PROC red light came on then went to HEATER yellow light and IG1-3.5MA came up on his RCU screen followed by the text, "should be 0.0ma".

The amp will not operate now.

Any ideas what the problem may be?

73 de KE4WY Jim

3920. Acom 2000A and the Icom IC7700 or IC7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-29 16:04:45 UTC
From: kamarty456
Topic: 3920 Message: 3920

Those of you running the Icom IC7700 or IC7800
and the ACOM 2000A, what have you selected within the radio
to "key" the amplifier? and why?

There are two options:

1. lead [relay]
2. mosfet [solid state]

Have you noticed any anomalies such as latency, key clicks, bias challenges, RFI etc.?

Please let's not go into ALC VS no ALC or tube amplifiers VS solid state amplifiers etc.

Martin KA7GKN

3921. Re: [acom-list] Acom 2000A and the Icom IC7700 or IC7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-29 16:34:51 UTC
From: Paul Christensen
Topic: 3920 Message: 3921

Marty,

I owned the '7700 and '7800 but did not interface them to the ACOM 2000A. So, with that in mind, here are my observation when using these rigs with other amps. I did own an ACOM 2000A, so I am very familiar with its key line circuitry...

First, I would select the MOSFET setting. The MOSFET is rated to handle quite a bit of key line voltage and current. Keying an unmodified SB-220 would be a concern, but not the ACOM with it's logic-level key line. The MOSFET is so robust, I would not use an external amp key line buffer, unless the amp was a vintage type where 120VAC is used.on the key line. Actually, the MOSFET can handle it (the Icom relay option cannot) but I would not take the chance with a vintage amp.

Second, note that the '7700/'7800 do not have an adjustable amp delay parameter in the menu. With some combinations of amps, the '7700 produced audible clicks in the headphone, while the '7800 was much better. Whether a slow or fast amp key line, the '7800 never exhibited headphone clicks. This is primarily a CW QSK phenomenon. If you operate SSB almost exclusively, I wouldn't worry.

The '7700 and '7800 switch so fast (RF in under 9 msec. after the key line goes low), I would not use the ACOM's handshake feature on the key line. The handshake is to compensate for the transceiver, not the amp. Simply put, I would just run an RCA cable from the Icom to the ACOM key line and omit use of the return line.

So, although this does not directly answer your question as the ACOM 2000A operation, hopefully it's still helpful.

Paul, W9AC

[Non-text portions of this message have been removed]

3922. Re: [acom-list] Acom 2000A and the Icom IC7700 or IC7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-29 16:47:32 UTC
From: Hans Remeeus
Topic: 3920 Message: 3922

Hello Martin,

For 2,5 years I operatered the Icom IC-7700 and the Acom 2000A.

The interconnection is very simple between the rig and the amplifier:

IC-7700: RELAY
2000A: KEY IN

And the coax cable of course ;-)

Nothing more. No external relay, no interface or what ever.

No latency, no keyclicks, no power spikes, no RFI, no bias challenges,
no nothing but good and very reliable operations.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 29-1-2011 17:04, kamarty456 schreef:
> Those of you running the Icom IC7700 or IC7800
> and the ACOM 2000A, what have you selected within the radio
> to "key" the amplifier? and why?
>
> There are two options:
>
> 1. lead [relay]
> 2. mosfet [solid state]
>
> Have you noticed any anomalies such as latency, key clicks, bias challenges, RFI etc.?
>
>
> Please let's not go into ALC VS no ALC or tube amplifiers VS solid state amplifiers etc.
>
>
> Martin KA7GKN
>
>

[Non-text portions of this message have been removed]

3923. Re: [acom-list] Acom 2000A and the Icom IC7700 or IC7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-29 16:52:57 UTC
From: Fulvio Galli
Topic: 3920 Message: 3923

On Jan 29, 2011, at 5:34 PM, Paul Christensen wrote:

> The handshake is to compensate for the transceiver, not the amp. Simply put, I would just run an RCA cable from the Icom to the ACOM key line and omit use of the return line.
>
> So, although this does not directly answer your question as the ACOM 2000A operation, hopefully it's still helpful.
>
> Paul, W9AC

Hi Paul,

you said correctly. I run an IC-7800 and a ACOM 2000A and it works like a charm just by wiring them with the RCA cable (no KEY OUT on the amp side)

Best 73
de HB9DHG Fulvio

3924. ACOM 1000 intermittent fixed

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-29 22:18:48 UTC
From: n4960m
Topic: 3924 Message: 3924

Fora few years I've had an intermittent failure to transmit with my ACOM 1000. Various e-mails to Stanimir and others suggested reseating the various JP# wire terminals on the boards. Sometimes the case uncovering and wire reseating helped, but only for a limited time...weeks to months between failure. Changing shack layout sometimes provoked a dead amp until stuff was wiggled about.

After the last event I decided to download the Service Appendix A and B, and go look at the wiring schematic and follow it in the amp. Two visible problem areas were noted. The SO239 RF input had what appeared to be a potentially poor solder joint to the board, presumably from periodic movement from the PL259 center pin in the port. The wire from the 239 to the board would wiggle some. I reflowed the wire joint at the 239 and board connection under the tube base. That stiffened up the wire. It probably was not the main fix as the amp would most of the time show RF input from the exciters, but no PO when the problem was happening. But, sometimes even no RF input could be detected on the amp's meter at full power from the exciters so that proceedure probably helped.

Likely the big problem was the female RCA Key In center connection in the amp. The RCA port is soldered to the circuit board, but over the years periodic careless sideways twisting of the cabling between the exciters and amp had spread open the center female connection in the RCA port. It's factory built with a split at the top of the concentric connector, and can eventually get loose enough to not properly contact the inserted center pin of the send cable to the rig.

I took a sharp pointed awl, and with the cover off the amp, AC cord disconnected and HV spots carefully grounded, poked and retightened the split center connection so there was again good contact when the send cable was inserted. Fixed for now.

73, Gary NL7Y

3925. Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 20:55:03 UTC
From: f4dpt
Topic: 3925 Message: 3925

hello

I have an Acom 2000A for 1 month, it's a very nice amplifier. But since yesterday I HEATER LED of the control box that flashes in CW mode, this afternoon I was in CW on 12m with 25w IN, temperature 34 ° tubes after a few minutes setting it has led Heater flash, so I stopped emissions and the letter continued to flash for 2 minutes. This is the second time this happens. the temperature of the tubes when the LED was flashed at 45 ° you have a solution to the problem.

sorry for my English

73

Arnaud

3926. Re: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 21:10:44 UTC
From: Joel Kornreich
Topic: 3925 Message: 3926

As the owner of an ACOM, I see this LED lite up with the higher line voltage and not the temperature on the final tubes. Is your input voltage set correctly inside the amplifier when you first purchased the A2000? How many times did your heater LED flash? Joel, K2QBV

On Mon, Jan 31, 2011 at 3:55 PM, f4dpt <f4dpt@...> wrote:

>
>
> hello
>
> I have an Acom 2000A for 1 month, it's a very nice amplifier. But since
> yesterday I HEATER LED of the control box that flashes in CW mode, this
> afternoon I was in CW on 12m with 25w IN, temperature 34 ? tubes after a few
> minutes setting it has led Heater flash, so I stopped emissions and the
> letter continued to flash for 2 minutes. This is the second time this
> happens. the temperature of the tubes when the LED was flashed at 45 ? you
> have a solution to the problem.
>
> sorry for my English
>
> 73
>
> Arnaud
>
>
>
>

[Non-text portions of this message have been removed]

3927. RE: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 21:19:00 UTC
From: F4DPT Arnaud
Topic: 3925 Message: 3927

Goodnight Joel

Thank you for your reply, the voltage of the amplifier is rated at 240V, I have on my supply line 232V max, this afternoon the voltage of my line was a 224V.

I did not count the blinking LED

73
Arnaud

-----Message d'origine-----
De : acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] De la part de Joel Kornreich
Envoyé : lundi 31 janvier 2011 22:11
À : acom-list@yahoogroups.com
Objet : Re: [acom-list] Acom 2000A info

As the owner of an ACOM, I see this LED lite up with the higher line voltage and not the temperature on the final tubes. Is your input voltage set correctly inside the amplifier when you first purchased the A2000? How many times did your heater LED flash? Joel, K2QBV

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

3928. Re: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 21:28:37 UTC
From: Joel Kornreich
Topic: 3925 Message: 3928

Well, lets see what other ACOM 2000 owners suggest. Count the flashes when you see them. My experience has been when the line voltages creeps up to 252 volts. The amplifier is safe up to 258 volts even if set to the highest position... Joel, K2QBV

On Mon, Jan 31, 2011 at 4:19 PM, F4DPT Arnaud <f4dpt@...> wrote:

>
>
> Goodnight Joel
>
> Thank you for your reply, the voltage of the amplifier is rated at 240V, I
> have on my supply line 232V max, this afternoon the voltage of my line was
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> 224V.
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> I did not count the blinking LED
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> Arnaud
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> -----Message d'origine-----
> De : acom-list@yahoogroups.com <acom-list%40yahoogroups.com> [mailto:
> acom-list@yahoogroups.com <acom-list%40yahoogroups.com>] De la part
> de Joel Kornreich
> Envoy? : lundi 31 janvier 2011 22:11
> ? : acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> Objet : Re: [acom-list] Acom 2000A info
>
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> As the owner of an ACOM, I see this LED lite up with the higher line
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> and not the temperature on the final tubes. Is your input voltage set
> correctly inside the amplifier when you first purchased the A2000? How many
> times did your heater LED flash? Joel, K2QBV
>
> On Mon, Jan 31, 2011 at 3:55 PM, f4dpt <f4dpt@...<f4dpt%40orange.fr>>
> wrote:
>
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> >
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> > yesterday I HEATER LED of the control box that flashes in CW mode, this

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> > Arnaud
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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3929. Re: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 21:34:23 UTC
From: W5OV@w5ov.com
Topic: 3925 Message: 3929

When it blinks it means that the heater voltage is slightly high. If it were to come on solid, that means it would be slightly low. There is no significance to "blink count".

73,

Bob W5OV

> Well, lets see what other ACOM 2000 owners suggest. Count the flashes
> when
> you see them. My experience has been when the line voltages creeps up to
> 252
> volts. The amplifier is safe up to 258 volts even if set to the highest
> position... Joel, K2QBV
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> On Mon, Jan 31, 2011 at 4:19 PM, F4DPT Arnaud <f4dpt@...> wrote:
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>> Goodnight Joel
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>> Thank you for your reply, the voltage of the amplifier is rated at 240V,
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>> I did not count the blinking LED
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>> Arnaud
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>> -----Message d'origine-----
>> De : acom-list@yahoogroups.com <acom-list%40yahoogroups.com> [mailto:
>> acom-list@yahoogroups.com <acom-list%40yahoogroups.com>] De la part
>> de Joel Kornreich
>> Envoy? : lundi 31 janvier 2011 22:11
>> ? : acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
>> Objet : Re: [acom-list] Acom 2000A info
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>> [Non-text portions of this message have been removed]
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>> Yahoo! Groups Links
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> Yahoo! Groups Links
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3930. RE: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 21:38:01 UTC
From: F4DPT Arnaud
Topic: 3925 Message: 3930

Joel thank you for the info, I just changed the menu DEF, the value of line voltage to turn on LOW, it was about normal. if the problem come back I would count the flashes.

Arnaud

-----Message d'origine-----
De : acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] De la part de Joel Kornreich
Envoyé : lundi 31 janvier 2011 22:29
À : acom-list@yahoogroups.com
Objet : Re: [acom-list] Acom 2000A info

Well, lets see what other ACOM 2000 owners suggest. Count the flashes when you see them. My experience has been when the line voltages creeps up to 252 volts. The amplifier is safe up to 258 volts even if set to the highest position... Joel, K2QBV

On Mon, Jan 31, 2011 at 4:19 PM, F4DPT Arnaud <f4dpt@...> wrote:

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> Goodnight Joel
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> Thank you for your reply, the voltage of the amplifier is rated at 240V, I
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> I did not count the blinking LED
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> Arnaud
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> -----Message d'origine-----
> De : acom-list@yahoogroups.com <acom-list%40yahoogroups.com> [mailto:
> acom-list@yahoogroups.com <acom-list%40yahoogroups.com>] De la part
> de Joel Kornreich
> Envoyé : lundi 31 janvier 2011 22:11
> À : acom-list@yahoogroups.com <acom-list%40yahoogroups.com>
> Objet : Re: [acom-list] Acom 2000A info
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> As the owner of an ACOM, I see this LED lite up with the higher line
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> times did your heater LED flash? Joel, K2QBV
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

3931. Re: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 21:59:35 UTC
From: Hans Remeeus
Topic: 3925 Message: 3931

I have never noticed the Heater LED blinking in CW signals... This must be a new feature.

My Heater LED very often blinks fast, but this is quite normal and nothing to worry about.

Acom writes:

A. Concerning the "HEATER" LED indicator you may need the following information:

If "HEATER" indicator lights continuously, probably mains voltage is lower than the nominal. If it often blinks (twice per second), mains voltage is higher. You may still work safely even when "HEATER" is lit, as this is a warning indication only, but the protection threshold is yet close. If even more severe mains voltage deviation occurs, the auto protection would trip, the red "PROT" LED will flash, and an appropriate text message will be issued on the LCD.

In order to determine how close are the trip conditions, you may enter the MEASURE sub-menu and monitor the following values:

- MAINS (line input voltage, no protection is directly derived);
- FIL-V (filament voltage, 10V to 14.4V is acceptable);
- IF-REAR (filament current - rear tube, 3A to 4.4A is acceptable);
- IF-FRONT (filament current - front tube, 3A to 4.4A is acceptable);

The heater voltage protection would trip at voltages below 10V or over 14.4V, and the corresponding message to the operator is issued on the RCU. Respectively, the thresholds for heater current protection are 3A and 4.4A, and appropriate messages appear when tripped.

For your information, the nominal filament voltage is 12.6V, and the nominal current is 3.6A. The "HEATER" indicator on the RCU is normally dark. It will light constantly if the filament voltage drops below 11.6V, and it will frequently blink if the voltage exceeds 13.6V (in order to inform you that nearly half of the acceptable range is crossed). In both cases the voltage selection may need to be changed if this conditions predominate. See also p.11 below.

B. Mains voltage tolerances.

See S.7-1j on p.29 of the Operating Manual. Normally, a +/-10% excursion of nominal tap voltage is acceptable. For instance, this is 216...264V with 240V nominal. The amplifier would work up to +/-15%.

If you however exceed these thresholds (below 204V or over 276V for 240V nominal), supply voltages and/or currents may reach dangerous values. No

protection is directly associated with the mains voltage, but nearly all supply voltages (and some currents) would reach their protection threshold values, so various amplifier protections would begin tripping, in order not to let any damage in both: power supply, or the tubes.

Anyway, the control circuit is happy even at a voltage drop of-20%, i.e. below 190V, with 240V nominal tap selected. If mains voltage drops still further (below -25%), the control circuit in the RCU immediately switches off the amplifier, and becomes inoperative, until the voltage restores to at least -20% of the nominal, i.e. at least 190V will be needed to start up at the 240V tap selection. This hysteresis is intended to reject unusable ON/OFFs and RCU restarting, if the mains voltage is frequently fluctuating near the lower acceptable limit.

A controllable step-up / step-down tap-transformer (for 20A nominal current) would be a good solution in low mains conditions, not only for the amplifier. You may find also suitable automatic AC voltage regulators on the market.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 31-1-2011 22:28, Joel Kornreich schreef:
> Well, lets see what other ACOM 2000 owners suggest. Count the flashes when
> you see them. My experience has been when the line voltages creeps up to 252
> volts. The amplifier is safe up to 258 volts even if set to the highest
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>> De : acom-list@yahoogroups.com<acom-list%40yahoogroups.com> [mailto:
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>> À : acom-list@yahoogroups.com<acom-list%40yahoogroups.com>
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[Non-text portions of this message have been removed]

3932. RE: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 22:18:16 UTC
From: F4DPT Arnaud
Topic: 3925 Message: 3932

Hello Hans

Hans thank you for the info, I had not seen much in the instructions, so that my normal LED flash if I had a voltage drop you this afternoon.
I currently have 226 to 228v

73

Arnaud

De : acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] De la part de Hans Remeeus
Envoyé : lundi 31 janvier 2011 23:00
À : acom-list@yahoogroups.com
Objet : Re: [acom-list] Acom 2000A info

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> you see them. My experience has been when the line voltages creeps up to
252
> volts. The amplifier is safe up to 258 volts even if set to the highest
> position... Joel, K2QBV
>
> On Mon, Jan 31, 2011 at 4:19 PM, F4DPT Arnaud<f4dpt@...
<mailto:f4dpt%40orange.fr> > wrote:
>
>>
>> Goodnight Joel

>>
>> Thank you for your reply, the voltage of the amplifier is rated at 240V,
I
>> have on my supply line 232V max, this afternoon the voltage of my line
was
>> a
>> 224V.
>>
>> I did not count the blinking LED
>>
>> 73
>> Arnaud
>>
>> -----Message d'origine-----
>> De : acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<acom-list%40yahoogroups.com> [mailto:
>> acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<acom-list%40yahoogroups.com>] De la part
>> de Joel Kornreich
>> Envoyé : lundi 31 janvier 2011 22:11
>> À : acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<acom-list%40yahoogroups.com>
>> Objet : Re: [acom-list] Acom 2000A info
>>
>>
>> As the owner of an ACOM, I see this LED lite up with the higher line
>> voltage
>> and not the temperature on the final tubes. Is your input voltage set
>> correctly inside the amplifier when you first purchased the A2000? How
many
>> times did your heater LED flash? Joel, K2QBV
>>
>> On Mon, Jan 31, 2011 at 3:55 PM, f4dpt<f4dpt@...
<mailto:f4dpt%40orange.fr> <f4dpt%40orange.fr>>
>> wrote:
>>
>>>
>>> hello
>>>
>>> I have an Acom 2000A for 1 month, it's a very nice amplifier. But since
>>> yesterday I HEATER LED of the control box that flashes in CW mode, this
>>> afternoon I was in CW on 12m with 25w IN, temperature 34 ° tubes after a
>> few
>>> minutes setting it has led Heater flash, so I stopped emissions and the
>>> letter continued to flash for 2 minutes. This is the second time this
>>> happens. the temperature of the tubes when the LED was flashed at 45 °
>> you
>>> have a solution to the problem.
>>>
>>> sorry for my English

>>>
>>> 73
>>>
>>> Arnaud
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3933. RE: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 22:59:52 UTC
From: Callum McC
Topic: 3925 Message: 3933

During Field Days, we use our 10Kw electrical generator. This produces 255VAC volts under NO LOAD conditions, but drops to 218VAC volts at full-load.

This means I see the heater LED flash when we are on standby, but it stops flashing when we transmit or put a kw of lighting on during the evening = lower VAC.

I think this "heater" condition is mentioned in the manual / user guide.

GL 73

Callum

M0MCX

[Non-text portions of this message have been removed]

3934. Re: Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-01-31 23:48:30 UTC
From: ki4ge
Topic: 3925 Message: 3934

Bob, W5OV, is correct. The blinking LED indicates the Line Voltage is higher than normal but within limits.

The details of the ACOM 2000A protection features related to this LED are as discussed below:

Concerning the "HEATER" LED indicator you may need the following information:

If "HEATER" indicator lights continuously, probably mains voltage is lower than the nominal. If it often blinks (twice per second), mains voltage is higher. You may still work safely even when "HEATER" is lit, as this is a warning indication only, but the protection threshold is yet close. If even more severe mains voltage deviation occurs, the auto protection would trip, the red "PROT" LED will flash, and an appropriate text message will be issued on the LCD.

In order to determine how close are the trip conditions, you may enter the MEASURE sub-menu and monitor the following values:

- MAINS (line input voltage, no protection is directly derived);
- FIL-V (filament voltage, 10V to 14.4V is acceptable);
- IF-REAR (filament current - rear tube, 3A to 4.4A is acceptable);
- IF-FRONT (filament current - front tube, 3A to 4.4A is acceptable);

The heater voltage protection would trip at voltages below 10V or over 14.4V, and the corresponding message to the operator is issued on the RCU. Respectively, the thresholds for heater current protection are 3A and 4.4A, and appropriate messages appear when tripped.

For your information, the nominal filament voltage is 12.6V, and the nominal current is 3.6A. The "HEATER" indicator on the RCU is normally dark. It will light constantly if the filament voltage drops below 11.6V, and it will frequently blink if the voltage exceeds 13.6V (in order to inform you that nearly half of the acceptable range is crossed). In both cases the voltage selection may need to be changed if this conditions predominate.

I hope this helps to explain this feature.

Jerry, KI4GE

--- In acom-list@yahoogroups.com, "f4dpt" <f4dpt@...> wrote:
>
> hello
>
> I have an Acom 2000A for 1 month, it's a very nice amplifier. But since yesterday I HEATER LED of the control box that flashes in CW mode, this afternoon I was in CW on 12m with 25w IN, temperature 34 ° tubes after a few minutes setting it has led Heater flash, so I stopped emissions and the letter continued to flash for 2 minutes. This is the second time this happens. the temperature of the tubes when the LED was flashed at 45 ° you have a

solution to the problem.
>
> sorry for my English
>
> 73
>
> Arnaud
>

3935. Re: [acom-list] Acom 2000A info

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-01 06:18:17 UTC
From: Hans Remeeus
Topic: 3925 Message: 3935

Hello Arnaud,

Same here in our village. We still are in the migration from 220 to 230
Volt. Every year or so our electricity net supplier decreases the Voltage.

You and I can choose between the 220 and 240 Volt tap on the
transformer. Both will do fine.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 31-1-2011 23:18, F4DPT Arnaud schreef:
> Hello Hans
>
>
>
> Hans thank you for the info, I had not seen much in the instructions, so
> that my normal LED flash if I had a voltage drop you this afternoon.
> I currently have 226 to 228v
>
>
>
> 73
>
> Arnaud
>

[Non-text portions of this message have been removed]

3936. EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 03:48:09 UTC
From: kamarty456
Topic: 3936 Message: 3936

I apologize for bothering the gang again about a minor anomaly that
most hams simply ignore, or have no clue about.....

I received some information regarding modifying the EBS circuit to
reduce or eliminate the "bias crunch" that can occur.

I ran into a slight hic-cup....
My amplifier [2000A] has a 1997 REV-4 interface board.
The modification instructions I received was with a much newer
interface board May 2006 REV 5 [I think]

I only have schematics and no circuit board layout views. My Tech manual is also on 3 1/2 floppy's and I asked ACOM for a newer CD version of the tech support manual [so far no response]

The boards are indeed very different as mine is a lot more populated
and dense....The newer board is less populated and even has some solder pads to permit a reasonably easy modification. It would
even allow me to bypass the EBS completely if I desired to do so.

The EBS capacitor is 100nf [0.1 uf] The modification delineates
adding a 220nf [0.22 uf] capacitor to change the bias time constant.

Now, I was hoping a simple solder task of tacking the additional capacitor on some solder pads....

On my board I did find the correct capacitor but I'm not sure if I have the room to piggyback the additional capacitor.

I suppose I can pull the board and surgically add the capacitor or simply change the over the value to a single 330nf [0.32-0.33 uf]
capacitor....

I wonder if anyone one on this reflector has modified their EBS circuit? What did you do? what were the results? What vintage 2000A
amplifier did you do this modification? etc etc

I dropped Will at ACOM a long E-mail around two weeks ago but never had a reply. I also sent an E-mail to the gang at Array Solutions and
their response was not exactly what I expected..They told me they never heard of any EBS modification....

I have not contacted Bulgaria directly yet.

I'd appreciate anyone who has done this EBS change to reply I appreciate the words of support but I'd rather read about results prior to me diving into the amplifier.

I know it's not a major challenge but I'm looking for a user review of how the amp performed after the modification prior to jumping in.

Marty KA7GKN

3937. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 06:46:30 UTC
From: Hans Remeeus
Topic: 3936 Message: 3937

Hello Marty,

This week I intend to do the EBS crunch mod too.

From the beginning I receive some complaints about my modulation.
Station where my signal is very strong (59+20 or more) hear the crunch
in my voice (or better say: during intermissions of my voice).

Last week friday I wrote Acom and I expect their answer today or tomorrow.

I obtained information from several users of the 2000A and I decided to
do the full EBS mod. Not with the extra capacitor, but with the wire.
IMHO the extra capacitance is half a job.

What I have heard from others there is no significant more heat coming
from the linear amplifier due to the full EBS mod. One person did not
install the extra fan and wrote me that he does not observe more heat
coming from the 2000A than before the full mod. This of course also has
to do with the kind of transmissions you make with the linear amplifier;
e.g. mode, operating method, contests, etc.

I ordered the Papst 4412F2/GLL-IBL fan and hope to receive it tomorrow.
As soon as this fan arrives I will do the full EBS mod, make some
photographes of the installation of the extra fan and the wire and
publish it on my internetsite.

To be continued...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-2-2011 4:48, kamarty456 schreef:
> I apologize for bothering the gang again about a minor anomaly that
> most hams simply ignore, or have no clue about.....
>
> I received some information regarding modifying the EBS circuit to
> reduce or eliminate the "bias crunch" that can occur.
>
> I ran into a slight hic-cup....
> My amplifier [2000A] has a 1997 REV-4 interface board.
> The modification instructions I received was with a much newer
> interface board May 2006 REV 5 [I think]
>
> I only have schematics and no circuit board layout views. My Tech manual is also on 3 1/2

floppy's and I asked ACOM for a newer CD version of the tech support manual [so far no response]
>
> The boards are indeed very different as mine is a lot more populated
> and dense....The newer board is less populated and even has some solder pads to permit a reasonably easy modification. It would
> even allow me to bypass the EBS completely if I desired to do so.
>
> The EBS capacitor is 100nf [0.1 uf] The modification delineates
> adding a 220nf [0.22 uf] capacitor to change the bias time constant.
>
> Now, I was hoping a simple solder task of tacking the additional capacitor on some solder pads....
>
> On my board I did find the correct capacitor but I'm not sure if I have the room to piggyback the additional capacitor.
>
> I suppose I can pull the board and surgically add the capacitor or simply change the over the value to a single 330nf [0.32-0.33 uf]
> capacitor....
>
> I wonder if anyone one on this reflector has modified their EBS circuit? What did you do? what were the results? What vintage 2000A
> amplifier did you do this modification? etc etc
>
> I dropped Will at ACOM a long E-mail around two weeks ago but never had a reply. I also sent an E-mail to the gang at Array Solutions and
> their response was not exactly what I expected..They told me they never heard of any EBS modification....
>
> I have not contacted Bulgaria directly yet.
>
> I'd appreciate anyone who has done this EBS change to reply I appreciate the words of support but I'd rather read about results prior to me diving into the amplifier.
>
> I know it's not a major challenge but I'm looking for a user review
> of how the amp performed after the modification prior to jumping in.
>
> Marty KA7GKN
>
>
>

[Non-text portions of this message have been removed]

3938. EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 11:48:29 UTC
From: Hans Remeeus
Topic: 3938 Message: 3938

Hello group,

I uploaded several files concerning the EBS and bias crunch
modifications in:

http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/

To be continued with photographes of my own modifications.

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

3939. RE: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 12:26:39 UTC
From: Bob Naumann
Topic: 3936 Message: 3939

Marty,

You're free to discuss it with Acom directly as they would have ultimate authority over such a modification.

As an Acom dealer, we are not free to discuss or recommend that you modify your amp in any way that Acom does not sanction or recommend.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Sunday, February 06, 2011 9:48 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] EBS bias mod --again--

I apologize for bothering the gang again about a minor anomaly that most hams simply ignore, or have no clue about.....

I received some information regarding modifying the EBS circuit to reduce or eliminate the "bias crunch" that can occur.

I ran into a slight hic-cup....
My amplifier [2000A] has a 1997 REV-4 interface board.
The modification instructions I received was with a much newer interface board May 2006 REV 5 [I think]

I only have schematics and no circuit board layout views. My Tech manual is also on 3 1/2 floppy's and I asked ACOM for a newer CD version of the tech support manual [so far no response]

The boards are indeed very different as mine is a lot more populated and dense....The newer board is less populated and even has some solder pads to permit a reasonably easy modification. It would
even allow me to bypass the EBS completely if I desired to do so.

The EBS capacitor is 100nf [0.1 uf] The modification delineates adding a 220nf [0.22 uf] capacitor to change the bias time constant.

Now, I was hoping a simple solder task of tacking the additional capacitor on some solder pads....

On my board I did find the correct capacitor but I'm not sure if I have the room to piggyback the additional capacitor.

I suppose I can pull the board and surgically add the capacitor or simply change the over the value to a single 330nf [0.32-0.33 uf] capacitor....

I wonder if anyone one on this reflector has modified their EBS circuit? What did you do? what were the results? What vintage 2000A amplifier did you do this modification? etc etc

I dropped Will at ACOM a long E-mail around two weeks ago but never had a reply. I also sent an E-mail to the gang at Array Solutions and their response was not exactly what I expected..They told me they never heard of any EBS modification....

I have not contacted Bulgaria directly yet.

I'd appreciate anyone who has done this EBS change to reply I appreciate the words of support but I'd rather read about results prior to me diving into the amplifier.

I know it's not a major challenge but I'm looking for a user review of how the amp performed after the modification prior to jumping in.

Marty KA7GKN

Yahoo! Groups Links

3940. RE: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 12:33:21 UTC
From: George Steube
Topic: 3936 Message: 3940

Hans,
Is this problem related to the year in which the 2KA was manufactured, or does it affect all the Acom 2KAs? If it is year related, which dates are affected? What exactly does the EBS mod change in the amp? Thanks.
George W2GS
-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]On Behalf Of Hans Remeeus
Sent: Monday, February 07, 2011 12:47 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS bias mod --again--

Hello Marty,

This week I intend to do the EBS crunch mod too.

From the beginning I receive some complaints about my modulation. Station where my signal is very strong (59+20 or more) hear the crunch in my voice (or better say: during intermissions of my voice).

Last week friday I wrote Acom and I expect their answer today or tomorrow.

I obtained information from several users of the 2000A and I decided to do the full EBS mod. Not with the extra capacitor, but with the wire. IMHO the extra capacitance is half a job.

What I have heard from others there is no significant more heat coming from the linear amplifier due to the full EBS mod. One person did not install the extra fan and wrote me that he does not observe more heat coming from the 2000A than before the full mod. This of course also has to do with the kind of transmissions you make with the linear amplifier; e.g. mode, operating method, contests, etc.

I ordered the Papst 4412F2/GLL-IBL fan and hope to receive it tomorrow. As soon as this fan arrives I will do the full EBS mod, make some photographes of the installation of the extra fan and the wire and publish it on my internetsite.

To be continued...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-2-2011 4:48, kamarty456 schreef:
> I apologize for bothering the gang again about a minor anomaly that
> most hams simply ignore, or have no clue about.....
>
> I received some information regarding modifying the EBS circuit to
> reduce or eliminate the "bias crunch" that can occur.
>
> I ran into a slight hic-cup....
> My amplifier [2000A] has a 1997 REV-4 interface board.
> The modification instructions I received was with a much newer
> interface board May 2006 REV 5 [I think]
>
> I only have schematics and no circuit board layout views. My Tech manual
is also on 3 1/2 floppy's and I asked ACOM for a newer CD version of the
tech support manual [so far no response]
>
> The boards are indeed very different as mine is a lot more populated
> and dense....The newer board is less populated and even has some solder
pads to permit a reasonably easy modification. It would
> even allow me to bypass the EBS completely if I desired to do so.
>
> The EBS capacitor is 100nf [0.1 uf] The modification delineates
> adding a 220nf [0.22 uf] capacitor to change the bias time constant.
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> Now, I was hoping a simple solder task of tacking the additional
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>
> On my board I did find the correct capacitor but I'm not sure if I have
the room to piggyback the additional capacitor.
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> I suppose I can pull the board and surgically add the capacitor or
simply change the over the value to a single 330nf [0.32-0.33 uf]
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> their response was not exactly what I expected..They told me they never
heard of any EBS modification....
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> I have not contacted Bulgaria directly yet.
>
> I'd appreciate anyone who has done this EBS change to reply I appreciate
the words of support but I'd rather read about results prior to me diving
into the amplifier.
>
> I know it's not a major challenge but I'm looking for a user review
> of how the amp performed after the modification prior to jumping in.

>
> Marty KA7GKN
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3941. Re: EBS bias mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 12:34:38 UTC
From: N1EU
Topic: 3936 Message: 3941

Two questions:

1. Hans, can you please post "Acom voice distorted.mp3" to the Files section? I am unable to open it within the Word doc.

2. Can we each check whether our own 2000A's display this problem by monitoring in a second receiver while driving the Acom with 5-10W on ssb and checking for distorted audio?

Tnx/73, Barry N1EU

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> I apologize for bothering the gang again about a minor anomaly that
> most hams simply ignore, or have no clue about.....
>
> I received some information regarding modifying the EBS circuit to
> reduce or eliminate the "bias crunch" that can occur.
>
> I ran into a slight hic-cup....
> My amplifier [2000A] has a 1997 REV-4 interface board.
> The modification instructions I received was with a much newer
> interface board May 2006 REV 5 [I think]
>
> I only have schematics and no circuit board layout views. My Tech manual is also on 3 1/2 floppy's and I asked ACOM for a newer CD version of the tech support manual [so far no response]
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> The boards are indeed very different as mine is a lot more populated
> and dense....The newer board is less populated and even has some solder pads to permit a reasonably easy modification. It would
> even allow me to bypass the EBS completely if I desired to do so.
>
> The EBS capacitor is 100nf [0.1 uf] The modification delineates
> adding a 220nf [0.22 uf] capacitor to change the bias time constant.
>
> Now, I was hoping a simple solder task of tacking the additional capacitor on some solder pads....
>
> On my board I did find the correct capacitor but I'm not sure if I have the room to piggyback the additional capacitor.
>
> I suppose I can pull the board and surgically add the capacitor or simply change the over the value to a single 330nf [0.32-0.33 uf]
> capacitor....
>
> I wonder if anyone one on this reflector has modified their EBS circuit? What did you do?

what were the results? What vintage 2000A
> amplifier did you do this modification? etc etc
>
> I dropped Will at ACOM a long E-mail around two weeks ago but never had a reply. I also sent an E-mail to the gang at Array Solutions and
> their response was not exactly what I expected..They told me they never heard of any EBS modification....
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> I know it's not a major challenge but I'm looking for a user review
> of how the amp performed after the modification prior to jumping in.
>
> Marty KA7GKN
>

3942. Re: [acom-list] EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 12:43:46 UTC
From: Paul Christensen
Topic: 3938 Message: 3942

Hans & Marty,

Hans' results show classic EBS distortion. With the change of only the timing cap, it appears EBS will stay active in the final bias state slightly longer, thus minimizing the bias state changes with changes in input power. I would then expect EBS distortion to occur only at the beginning of a spoken sequence. So, with only that cap change, EBS distortion would be minimized, but not eliminated. Complete EBS deactivation requires bypassing of R42. Another option is to simply let a small amount of plate current flow when the PTT line is active. On the Alpha 77Dx/Sx, a trim pot can be adjusted to allow for a small amount of plate current to keep the amp away from a complete cut-off state. This greatly improves switching IMD characteristics.

Referring to the ACOM schematic, note that R41 and R42 form a voltage divider to the emitter of Q4. It may be possible to replace R42 with a 5K-ohm trim pot -- or a combination pot and fixed resistor to limit the trim range. The trim pot would then be adjusted to let a small amount of plate current flow, and yet the EBS still remains active, although the range of its function is reduced. Of course, any such mod should be approved by ACOM and the usual warranty limitations would apply.

It's interesting that ACOM suggests use of an external blower if EBS is bypassed. Since many installations use the table-top RCU with the main amp located some distance from the desk-top, blower noise should not be an issue. This seems like an extraordinary measure and they're treating EBS as if it's a noise gate, which it isn't. EBS is a means of heat reduction and economizing on power consumption, but RF switching devices should never be used as a non-linear noise gate. That function is better suited in AF stages.

Marty, later control boards are just as densely packed as your older version. On newer boards with SMD technology, I suspect many components are not seen from the front, giving the illusion that the component density is not as high.

Paul, W9AC

[Non-text portions of this message have been removed]

3943. Re: [acom-list] EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 13:05:08 UTC
From: Paul Christensen
Topic: 3938 Message: 3943

BTW, what Hans has presented is why the ARRL and other publishers of equipment product reviews should conduct dynamic IMD testing. Two-tone static IMD testing shows what the amp is capable of, not the performance it's delivering.

EBS circuits, exacerbated by ALC loops from transceivers of varying manufacture/design all lead to real-world IMD problems that are not identified in the monthly product reviews. Those of us using high-quality pan adapters know this from experience. Take a look at the passband "shoulders" of strong stations across the band and you will see significant performance differences. I typically look at the are around the carrier set point since it takes the upper passband limit of consideration (e.g., Tx running 2.4 kHz v. 3.5 kHz).

I have seen stations using recently developed transceivers into solid-state amps with narrow audio consuming 10 kHz of bandwidth. By contrast, one ESSB station in California is using a TS-950SDX and Alpha 89 amp. The shoulders drop like a rock down to better than -50dBc. So much for the assertion that ESSB with pronounced low-end audio must produce excessive IMD. True, the occupied bandwidth may be extended but that occupation of bandwidth is from the desired response of the operator and not IMD products.

Paul, W9AC

----- Original Message -----
From: Paul Christensen
To: acom-list@yahoogroups.com
Sent: Monday, February 07, 2011 7:43 AM
Subject: Re: [acom-list] EBS and bias crunch modifications

Hans & Marty,

Hans' results show classic EBS distortion. With the change of only the timing cap, it appears EBS will stay active in the final bias state slightly longer, thus minimizing the bias state changes with changes in input power. I would then expect EBS distortion to occur only at the beginning of a spoken sequence. So, with only that cap change, EBS distortion would be minimized, but not eliminated. Complete EBS deactivation requires bypassing of R42. Another option is to simply let a small amount of plate current flow when the PTT line is active. On the Alpha 77Dx/Sx, a trim pot can be adjusted to allow for a small amount of plate current to keep the amp away from a complete cut-off state. This greatly improves switching IMD characteristics.

Referring to the ACOM schematic, note that R41 and R42 form a voltage divider to the emitter of Q4. It may be possible to replace R42 with a 5K-ohm trim pot -- or a combination pot and fixed resistor to limit the trim range. The trim pot would then be adjusted to let a small amount of plate current flow, and yet the EBS still remains active, although the range of its function is reduced. Of course, any such mod should be approved by ACOM and the usual warranty limitations would apply.

It's interesting that ACOM suggests use of an external blower if EBS is bypassed. Since many installations use the table-top RCU with the main amp located some distance from the

desk-top, blower noise should not be an issue. This seems like an extraordinary measure and they're treating EBS as if it's a noise gate, which it isn't. EBS is a means of heat reduction and economizing on power consumption, but RF switching devices should never be used as a non-linear noise gate. That function is better suited in AF stages.

Marty, later control boards are just as densely packed as your older version. On newer boards with SMD technology, I suspect many components are not seen from the front, giving the illusion that the component density is not as high.

Paul, W9AC

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3944. Re: EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 16:32:39 UTC
From: kamarty456
Topic: 3938 Message: 3944

Thanks guys...
Now this was the technical stuff I was looking for.

My career field was in medical electronics not "RF"
I worked in the hospital environment working on
patient care stuff and laboratory stuff...sort of the
McGyver techy person....you get a phone call at 3 a.m.
you go to the hospital and go into the operating room. The doctor has a guy on the table "opened up" and he gives you a paper clip and rubber band and screams "you have 3 minutes to fix the damn machine or the patient dies!!". [music starts]

The information Hans provided here is pure gold! You all will notice he has presented photos of the newer style and older style interface circuit boards. The "newer" boards have the solder pads while the older board you actually need to jump the resistor R-42.

OK so now I'll go back and open the amp again...then move ahead.

Bob, W5OV...I did not mean any disrespect when I barked about Array solutions not knowing about the EBS anomaly. I realize as a distributor you have certain limitations regarding product support.

By the way I already have the external fan installed....

I'll report back when this is accomplished

Marty KA7GKN

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> BTW, what Hans has presented is why the ARRL and other publishers of equipment product reviews should conduct dynamic IMD testing. Two-tone static IMD testing shows what the amp is capable of, not the performance it's delivering.
>
> EBS circuits, exacerbated by ALC loops from transceivers of varying manufacture/design all lead to real-world IMD problems that are not identified in the monthly product reviews. Those of us using high-quality pan adapters know this from experience. Take a look at the passband "shoulders" of strong stations across the band and you will see significant performance differences. I typically look at the are around the carrier set point since it takes the upper passband limit of consideration (e.g., Tx running 2.4 kHz v. 3.5 kHz).
>
> I have seen stations using recently developed transceivers into solid-state amps with narrow audio consuming 10 kHz of bandwidth. By contrast, one ESSB station in California is using a TS-950SDX and Alpha 89 amp. The shoulders drop like a rock down to better than -50dBc. So much for the assertion that ESSB with pronounced low-end audio must produce excessive IMD. True, the occupied bandwidth may be extended but that occupation of bandwidth is from the desired response of the operator and not IMD products.
>

> Paul, W9AC
>
>
> ----- Original Message -----
> From: Paul Christensen
> To: acom-list@yahoogroups.com
> Sent: Monday, February 07, 2011 7:43 AM
> Subject: Re: [acom-list] EBS and bias crunch modifications
>
>
>
> Hans & Marty,
>
> Hans' results show classic EBS distortion. With the change of only the timing cap, it appears EBS will stay active in the final bias state slightly longer, thus minimizing the bias state changes with changes in input power. I would then expect EBS distortion to occur only at the beginning of a spoken sequence. So, with only that cap change, EBS distortion would be minimized, but not eliminated. Complete EBS deactivation requires bypassing of R42. Another option is to simply let a small amount of plate current flow when the PTT line is active. On the Alpha 77Dx/Sx, a trim pot can be adjusted to allow for a small amount of plate current to keep the amp away from a complete cut-off state. This greatly improves switching IMD characteristics.
>
> Referring to the ACOM schematic, note that R41 and R42 form a voltage divider to the emitter of Q4. It may be possible to replace R42 with a 5K-ohm trim pot -- or a combination pot and fixed resistor to limit the trim range. The trim pot would then be adjusted to let a small amount of plate current flow, and yet the EBS still remains active, although the range of its function is reduced. Of course, any such mod should be approved by ACOM and the usual warranty limitations would apply.
>
> It's interesting that ACOM suggests use of an external blower if EBS is bypassed. Since many installations use the table-top RCU with the main amp located some distance from the desk-top, blower noise should not be an issue. This seems like an extraordinary measure and they're treating EBS as if it's a noise gate, which it isn't. EBS is a means of heat reduction and economizing on power consumption, but RF switching devices should never be used as a non-linear noise gate. That function is better suited in AF stages.
>
> Marty, later control boards are just as densely packed as your older version. On newer boards with SMD technology, I suspect many components are not seen from the front, giving the illusion that the component density is not as high.
>
> Paul, W9AC
>
> [Non-text portions of this message have been removed]
>
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>
> [Non-text portions of this message have been removed]

>

3945. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 16:42:59 UTC
From: k2qmf@juno.com
Topic: 3936 Message: 3945

Bob Array Solutions,

What is worrisome is that Array Solutions said they never
heard of the EBS modification!!!

Do you guys fix these amps or just sell them???

73,
Ted K2QMF

On Mon, 7 Feb 2011 06:26:39 -0600 "Bob Naumann" <W5OV@...> writes:
> Marty,
>
> You're free to discuss it with Acom directly as they would have
> ultimate
> authority over such a modification.
>
> As an Acom dealer, we are not free to discuss or recommend that you
> modify
> your amp in any way that Acom does not sanction or recommend.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> On Behalf
> Of kamarty456
> Sent: Sunday, February 06, 2011 9:48 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] EBS bias mod --again--
>
> I apologize for bothering the gang again about a minor anomaly that
> most hams simply ignore, or have no clue about.....
>
> I received some information regarding modifying the EBS circuit to
> reduce or eliminate the "bias crunch" that can occur.
>
> I ran into a slight hic-cup....
> My amplifier [2000A] has a 1997 REV-4 interface board.
> The modification instructions I received was with a much newer
> interface board May 2006 REV 5 [I think]

>
> I only have schematics and no circuit board layout views. My Tech
> manual is
> also on 3 1/2 floppy's and I asked ACOM for a newer CD version of
> the tech
> support manual [so far no response]
>
> The boards are indeed very different as mine is a lot more
> populated
> and dense....The newer board is less populated and even has some
> solder pads
> to permit a reasonably easy modification. It would
> even allow me to bypass the EBS completely if I desired to do so.
>
> The EBS capacitor is 100nf [0.1 uf] The modification delineates
> adding a 220nf [0.22 uf] capacitor to change the bias time
> constant.
>
> Now, I was hoping a simple solder task of tacking the additional
> capacitor
> on some solder pads....
>
> On my board I did find the correct capacitor but I'm not sure if I
> have the
> room to piggyback the additional capacitor.
>
> I suppose I can pull the board and surgically add the capacitor or
> simply
> change the over the value to a single 330nf [0.32-0.33 uf]
> capacitor....
>
> I wonder if anyone one on this reflector has modified their EBS
> circuit?
> What did you do? what were the results? What vintage 2000A
> amplifier did you do this modification? etc etc
>
> I dropped Will at ACOM a long E-mail around two weeks ago but never
> had a
> reply. I also sent an E-mail to the gang at Array Solutions and
> their response was not exactly what I expected..They told me they
> never
> heard of any EBS modification....
>
> I have not contacted Bulgaria directly yet.
>
> I'd appreciate anyone who has done this EBS change to reply I
> appreciate the
> words of support but I'd rather read about results prior to me
> diving into
> the amplifier.

>
> I know it's not a major challenge but I'm looking for a user review
>
> of how the amp performed after the modification prior to jumping
> in.
>
> Marty KA7GKN
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> Yahoo! Groups Links
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3946. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 19:09:43 UTC
From: W5OV@w5ov.com
Topic: 3936 Message: 3946

If Acom has not "told" us about it, we officially have not "heard" of it.

Make sense?

73,

Bob W5OV

P.S. Ive been on this reflector since it started, so I'm personally aware
of most everything that has been discussed over all of these years.

> Bob Array Solutions,
>
> What is worrisome is that Array Solutions said they never
> heard of the EBS modification!!!
>
> Do you guys fix these amps or just sell them???
>
> 73,
> Ted K2QMF
>
>
>
> On Mon, 7 Feb 2011 06:26:39 -0600 "Bob Naumann" <W5OV@...> writes:
>> Marty,
>>
>> You're free to discuss it with Acom directly as they would have
>> ultimate
>> authority over such a modification.
>>
>> As an Acom dealer, we are not free to discuss or recommend that you
>> modify
>> your amp in any way that Acom does not sanction or recommend.
>>
>> 73,
>>
>> Bob W5OV
>> Array Solutions
>>
>>
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
>> On Behalf
>> Of kamarty456
>> Sent: Sunday, February 06, 2011 9:48 PM

>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] EBS bias mod --again--
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>> most hams simply ignore, or have no clue about.....
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>> reduce or eliminate the "bias crunch" that can occur.
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>> I ran into a slight hic-cup....
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>> support manual [so far no response]
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>> The boards are indeed very different as mine is a lot more
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>> and dense....The newer board is less populated and even has some
>> solder pads
>> to permit a reasonably easy modification. It would
>> even allow me to bypass the EBS completely if I desired to do so.
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>> The EBS capacitor is 100nf [0.1 uf] The modification delineates
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>> Now, I was hoping a simple solder task of tacking the additional
>> capacitor
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>> On my board I did find the correct capacitor but I'm not sure if I
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>> circuit?
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>> I have not contacted Bulgaria directly yet.
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>>
>> Marty KA7GKN
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> Yahoo! Groups Links

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3947. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 19:30:02 UTC
From: John Sheeley
Topic: 3936 Message: 3947

You micht contact Will or Crassy @ http://www.hfpower.com/ They were the first to sell Acoms amps in the US.They might have a little more knowlege about it than Jay

73
John wb4qda
A happy 2000a owner

From: "k2qmf@..." <k2qmf@...>
To: acom-list@yahoogroups.com
Cc: acom-list@yahoogroups.com
Sent: Mon, February 7, 2011 10:42:59 AM
Subject: Re: [acom-list] EBS bias mod --again--

Bob Array Solutions,

What is worrisome is that Array Solutions said they never heard of the EBS modification!!!

Do you guys fix these amps or just sell them???

73,
Ted K2QMF

On Mon, 7 Feb 2011 06:26:39 -0600 "Bob Naumann" <W5OV@...> writes:
> Marty,
>
> You're free to discuss it with Acom directly as they would have
> ultimate
> authority over such a modification.
>
> As an Acom dealer, we are not free to discuss or recommend that you
> modify
> your amp in any way that Acom does not sanction or recommend.
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> 73,
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> Bob W5OV
> Array Solutions
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>
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> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> On Behalf
> Of kamarty456

> Sent: Sunday, February 06, 2011 9:48 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] EBS bias mod --again--
>
> I apologize for bothering the gang again about a minor anomaly that
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> I only have schematics and no circuit board layout views. My Tech
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> The EBS capacitor is 100nf [0.1 uf] The modification delineates
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> Now, I was hoping a simple solder task of tacking the additional
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[Non-text portions of this message have been removed]

3948. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 19:49:47 UTC
From: Barry N1EU
Topic: 3936 Message: 3948

How many of the 2000A amps are affected by the problem? How can we
duplicate the problem so that we can hear it on a 2nd rx while transmitting?

Thanks & 73,
Barry N1EU

On Mon, Feb 7, 2011 at 7:30 PM, John Sheeley <wb4qda@yahoo.com> wrote:

>
>
> You micht contact Will or Crassy @ http://www.hfpower.com/ They were the
> first
> to sell Acoms amps in the US.They might have a little more knowlege
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> 73
> John wb4qda
> A happy 2000a owner
>
> _____
> From: "k2qmf@juno.com" <k2qmf@...>
>
> To: acom-list@yahoogroups.com
> Cc: acom-list@yahoogroups.com
> Sent: Mon, February 7, 2011 10:42:59 AM
> Subject: Re: [acom-list] EBS bias mod --again--
>
>
>
> Bob Array Solutions,
>
> What is worrisome is that Array Solutions said they never
> heard of the EBS modification!!!
>
> Do you guys fix these amps or just sell them???
>
> 73,
> Ted K2QMF
>
> On Mon, 7 Feb 2011 06:26:39 -0600 "Bob Naumann" <W5OV@...> writes:
> > Marty,
> >
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> > As an Acom dealer, we are not free to discuss or recommend that you
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> > 73,
> >
> > Bob W5OV
> > Array Solutions
> >
> >
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> > On Behalf
> > Of kamarty456
> > Sent: Sunday, February 06, 2011 9:48 PM
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] EBS bias mod --again--
> >
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> > The EBS capacitor is 100nf [0.1 uf] The modification delineates
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> > On my board I did find the correct capacitor but I'm not sure if I
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> > What did you do? what were the results? What vintage 2000A
> > amplifier did you do this modification? etc etc
> >
> > I dropped Will at ACOM a long E-mail around two weeks ago but never
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

3949. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:19:19 UTC
From: Hans Remeeus
Topic: 3936 Message: 3949

Hello George and all,

IMHO this is an 'all-version' issue of the Acom 2000A, because all Acom 2000A have the EBS built in.

Acom says that it is only heard within 1 or 2 km. from your station, when you put a very loud signal on-the-air and the frequency is clear. This is what Acom wrote: "ACOM does not recommend introducing this modification unless you have EXTREMELY high sound-quality requirements. The difference can be detected only at very small distances, under 1-2km. Normally you do not need it and all ACOM2000A, ACOM1000, and ACOM1010 units up to date have been produced without such a modification.You should know that although possible, this modification sets a compromise between the temperature regime and the signal quality. The minimum capacitance which satisfies your quality requirements is recommended. Full EBS elimination should be avoided unless you have the additional external fan installed."

In fact Acom says that they have produced their linear amplifiers *without* the EBS modification. Perhaps they will do so now or in the future, when more users got worried...

I noticed that since the beginning operating the Acom 2000A, in August 2004, I receive complaints from my fellow ham stations on 80 meters that they hear the crunch. Actually we call this 'ravel'. It sounds a little bit like RF feedback. And I am not the only Acom 2000A user with the recognizable crunch. So I disagree with Acom that the EBS mod is only meant in case you have *extremely* high sound-quility requirements. I don't have such requirements, but do not want to receive complaints about my audio.

Actually I must tell you that I use a horizontal deltaloop antenna with 6 dBd gain and 89 degrees elevation on 80 meters. Therefore my signal normally is between 59+20 and 59+40 dB in The Netherlands, Belgium and Germany. For this reason many stations will notice my crunch. Not only stations who live very near to me, within a distance of 1-2km, but many others too. When my signal is 59 or less nobody hears the crunch.

When I have done the mod this week I can tell you more about the effect of the mod on my audio and on the temperature regime.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-2-2011 13:33, George Steube schreef:
> Hans,
> Is this problem related to the year in which the 2KA was manufactured, or
> does it affect all the Acom 2KAs? If it is year related, which dates are
> affected? What exactly does the EBS mod change in the amp? Thanks.
> George W2GS
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]On
> Behalf Of Hans Remeeus
> Sent: Monday, February 07, 2011 12:47 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS bias mod --again--
>
>
>
>
> Hello Marty,
>
> This week I intend to do the EBS crunch mod too.
>
> From the beginning I receive some complaints about my modulation.
> Station where my signal is very strong (59+20 or more) hear the crunch
> in my voice (or better say: during intermissions of my voice).
>
> Last week friday I wrote Acom and I expect their answer today or tomorrow.
>
> I obtained information from several users of the 2000A and I decided to
> do the full EBS mod. Not with the extra capacitor, but with the wire.
> IMHO the extra capacitance is half a job.
>
> What I have heard from others there is no significant more heat coming
> from the linear amplifier due to the full EBS mod. One person did not
> install the extra fan and wrote me that he does not observe more heat
> coming from the 2000A than before the full mod. This of course also has
> to do with the kind of transmissions you make with the linear amplifier;
> e.g. mode, operating method, contests, etc.
>
> I ordered the Papst 4412F2/GLL-IBL fan and hope to receive it tomorrow.
> As soon as this fan arrives I will do the full EBS mod, make some
> photographes of the installation of the extra fan and the wire and
> publish it on my internetsite.
>
> To be continued...
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 7-2-2011 4:48, kamarty456 schreef:

> > I apologize for bothering the gang again about a minor anomaly that
> > most hams simply ignore, or have no clue about.....
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> > I received some information regarding modifying the EBS circuit to
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> >
> > I ran into a slight hic-cup....
> > My amplifier [2000A] has a 1997 REV-4 interface board.
> > The modification instructions I received was with a much newer
> > interface board May 2006 REV 5 [I think]
> >
> > I only have schematics and no circuit board layout views. My Tech manual
> is also on 3 1/2 floppy's and I asked ACOM for a newer CD version of the
> tech support manual [so far no response]
> >
> > The boards are indeed very different as mine is a lot more populated
> > and dense....The newer board is less populated and even has some solder
> pads to permit a reasonably easy modification. It would
> > even allow me to bypass the EBS completely if I desired to do so.
> >
> > The EBS capacitor is 100nf [0.1 uf] The modification delineates
> > adding a 220nf [0.22 uf] capacitor to change the bias time constant.
> >
> > Now, I was hoping a simple solder task of tacking the additional
> capacitor on some solder pads....
> >
> > On my board I did find the correct capacitor but I'm not sure if I have
> the room to piggyback the additional capacitor.
> >
> > I suppose I can pull the board and surgically add the capacitor or
> simply change the over the value to a single 330nf [0.32-0.33 uf]
> > capacitor....
> >
> > I wonder if anyone one on this reflector has modified their EBS circuit?
> What did you do? what were the results? What vintage 2000A
> > amplifier did you do this modification? etc etc
> >
> > I dropped Will at ACOM a long E-mail around two weeks ago but never had
> a reply. I also sent an E-mail to the gang at Array Solutions and
> > their response was not exactly what I expected..They told me they never
> heard of any EBS modification....
> >
> > I have not contacted Bulgaria directly yet.
> >
> > I'd appreciate anyone who has done this EBS change to reply I appreciate
> the words of support but I'd rather read about results prior to me diving
> into the amplifier.
> >
> > I know it's not a major challenge but I'm looking for a user review
> > of how the amp performed after the modification prior to jumping in.

> >
> > Marty KA7GKN
> >
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

3950. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:24:50 UTC
From: Hans Remeeus
Topic: 3936 Message: 3950

Hello Barry,

The best way to recognize the EBS-crunch is on 80 meters when
HF-conditions are excellent, almost without QSB, the frequency is clear
and your signal is 59+20 dB or stronger.

And use a lot of short speech intermissions (pauses, breaks, intervals;
I don't know how you call this).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-2-2011 20:49, Barry N1EU schreef:
> How many of the 2000A amps are affected by the problem? How can we
> duplicate the problem so that we can hear it on a 2nd rx while transmitting?
>
> Thanks& 73,
> Barry N1EU
>

[Non-text portions of this message have been removed]

3951. Fwd: Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:29:44 UTC
From: Hans Remeeus
Topic: 3951 Message: 3951

I forgot something important to mention; when your processor/compressor
is OFF the EBS-crunch will be more noticable by other stations! This is
easy to explain, because when you have your processor switched on, your
signal will be more compressed; therefore less speech intermissions and
less reason for the EBS to switch the Voltage...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

-------- Originele bericht --------
Onderwerp: Re: [acom-list] EBS bias mod --again--
Datum: Mon, 07 Feb 2011 21:24:50 +0100
Van: Hans Remeeus <hans@...>
Antwoord-naar: hans@...
Organisatie: PA1HR
Aan: acom-list@yahoogroups.com

Hello Barry,

The best way to recognize the EBS-crunch is on 80 meters when
HF-conditions are excellent, almost without QSB, the frequency is clear
and your signal is 59+20 dB or stronger.

And use a lot of short speech intermissions (pauses, breaks, intervals;
I don't know how you call this).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-2-2011 20:49, Barry N1EU schreef:
> How many of the 2000A amps are affected by the problem? How can we
> duplicate the problem so that we can hear it on a 2nd rx while transmitting?
>
> Thanks& 73,
> Barry N1EU
>

[Non-text portions of this message have been removed]

3952. Re: [acom-list] Re: EBS bias mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:36:21 UTC
From: Hans Remeeus
Topic: 3936 Message: 3952

Hello Barry,

1. I would love to, but how? I tried this evening but did not succeed to save the two MP3 files and upload them. Perhaps someone knows how to do this.

2. Good suggestion. I never tried monitoring myself on a second RX. IMHO the scope measurement is the best way.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

> Two questions:
>
> 1. Hans, can you please post "Acom voice distorted.mp3" to the Files section? I am unable to open it within the Word doc.
>
> 2. Can we each check whether our own 2000A's display this problem by monitoring in a second receiver while driving the Acom with 5-10W on ssb and checking for distorted audio?
>
> Tnx/73, Barry N1EU
>

3953. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:43:02 UTC
From: Hans Remeeus
Topic: 3936 Message: 3953

Hello Bob,

This is very wise of you. I would do the same if I were an Acom dealer.

Acom is the first in the row to advise us. And of course they always would advise the safest way; less temperature = less risks.

As user we can take our own risks. My Acom 2000A is 4,5 years out of warranty...

It's a choice we make our selves: better audio, but perhaps some higher temperature. Howevery I doubt that temperature is a non-issue, but this is MHO.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

> Marty,
>
> You're free to discuss it with Acom directly as they would have ultimate
> authority over such a modification.
>
> As an Acom dealer, we are not free to discuss or recommend that you modify
> your amp in any way that Acom does not sanction or recommend.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of kamarty456
> Sent: Sunday, February 06, 2011 9:48 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] EBS bias mod --again--
>
> I apologize for bothering the gang again about a minor anomaly that
> most hams simply ignore, or have no clue about.....
>
> I received some information regarding modifying the EBS circuit to

> reduce or eliminate the "bias crunch" that can occur.
>
> I ran into a slight hic-cup....
> My amplifier [2000A] has a 1997 REV-4 interface board.
> The modification instructions I received was with a much newer
> interface board May 2006 REV 5 [I think]
>
> I only have schematics and no circuit board layout views. My Tech manual is
> also on 3 1/2 floppy's and I asked ACOM for a newer CD version of the tech
> support manual [so far no response]
>
> The boards are indeed very different as mine is a lot more populated
> and dense....The newer board is less populated and even has some solder pads
> to permit a reasonably easy modification. It would
> even allow me to bypass the EBS completely if I desired to do so.
>
> The EBS capacitor is 100nf [0.1 uf] The modification delineates
> adding a 220nf [0.22 uf] capacitor to change the bias time constant.
>
> Now, I was hoping a simple solder task of tacking the additional capacitor
> on some solder pads....
>
> On my board I did find the correct capacitor but I'm not sure if I have the
> room to piggyback the additional capacitor.
>
> I suppose I can pull the board and surgically add the capacitor or simply
> change the over the value to a single 330nf [0.32-0.33 uf]
> capacitor....
>
> I wonder if anyone one on this reflector has modified their EBS circuit?
> What did you do? what were the results? What vintage 2000A
> amplifier did you do this modification? etc etc
>
> I dropped Will at ACOM a long E-mail around two weeks ago but never had a
> reply. I also sent an E-mail to the gang at Array Solutions and
> their response was not exactly what I expected..They told me they never
> heard of any EBS modification....
>
> I have not contacted Bulgaria directly yet.
>
> I'd appreciate anyone who has done this EBS change to reply I appreciate the
> words of support but I'd rather read about results prior to me diving into
> the amplifier.
>
> I know it's not a major challenge but I'm looking for a user review
> of how the amp performed after the modification prior to jumping in.
>
> Marty KA7GKN
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3954. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:40:22 UTC
From: K0DAN
Topic: 3936 Message: 3954

I just tested my Acom 2000A (1998 vintage) into a dummy load and could not discern the raspy distortion which was so evident embedded in Hans' DOC file. I did not use the lab set up Hans did, but just with my ears and an aux receiver I did not notice any distortion at any drive level.

I would be concerned about the distortion problem described, but am loathe to perform mods on equipment which appears to be functioning properly.

That's my $0.02 worth...

73

Dan
K0DAN

----- Original Message -----
From: "Barry N1EU" <barry.n1eu@...>
To: <acom-list@yahoogroups.com>
Sent: Monday, February 07, 2011 1:49 PM
Subject: Re: [acom-list] EBS bias mod --again--

> How many of the 2000A amps are affected by the problem? How can we
> duplicate the problem so that we can hear it on a 2nd rx while
> transmitting?
>
> Thanks & 73,
> Barry N1EU
>
> On Mon, Feb 7, 2011 at 7:30 PM, John Sheeley <wb4qda@...> wrote:
>
>>
>>
>> You micht contact Will or Crassy @ http://www.hfpower.com/ They were the
>> first
>> to sell Acoms amps in the US.They might have a little more knowlege
>> about it
>> than Jay
>>
>> 73
>> John wb4qda
>> A happy 2000a owner
>>
>> _____
>> From: "k2qmf@..." <k2qmf@...>
>>
>> To: acom-list@yahoogroups.com

>> Cc: acom-list@yahoogroups.com
>> Sent: Mon, February 7, 2011 10:42:59 AM
>> Subject: Re: [acom-list] EBS bias mod --again--
>>
>>
>>
>> Bob Array Solutions,
>>
>> What is worrisome is that Array Solutions said they never
>> heard of the EBS modification!!!
>>
>> Do you guys fix these amps or just sell them???
>>
>> 73,
>> Ted K2QMF
>>
>> On Mon, 7 Feb 2011 06:26:39 -0600 "Bob Naumann" <W5OV@...> writes:
>> > Marty,
>> >
>> > You're free to discuss it with Acom directly as they would have
>> > ultimate
>> > authority over such a modification.
>> >
>> > As an Acom dealer, we are not free to discuss or recommend that you
>> > modify
>> > your amp in any way that Acom does not sanction or recommend.
>> >
>> > 73,
>> >
>> > Bob W5OV
>> > Array Solutions
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>> >
>> > -----Original Message-----
>> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
>> > On Behalf
>> > Of kamarty456
>> > Sent: Sunday, February 06, 2011 9:48 PM
>> > To: acom-list@yahoogroups.com
>> > Subject: [acom-list] EBS bias mod --again--
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>> > I apologize for bothering the gang again about a minor anomaly that
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>> > The modification instructions I received was with a much newer
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>> > also on 3 1/2 floppy's and I asked ACOM for a newer CD version of
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>> > support manual [so far no response]
>> >
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>> > The EBS capacitor is 100nf [0.1 uf] The modification delineates
>> > adding a 220nf [0.22 uf] capacitor to change the bias time
>> > constant.
>> >
>> > Now, I was hoping a simple solder task of tacking the additional
>> > capacitor
>> > on some solder pads....
>> >
>> > On my board I did find the correct capacitor but I'm not sure if I
>> > have the
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>> > I suppose I can pull the board and surgically add the capacitor or
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>> > change the over the value to a single 330nf [0.32-0.33 uf]
>> > capacitor....
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>> > diving into
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>> >
>> > I know it's not a major challenge but I'm looking for a user review
>> >
>> > of how the amp performed after the modification prior to jumping
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>> >
>> > Marty KA7GKN
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>> $65/Hr Job - 25 Openings
>> Part-Time job ($20-$65/hr). Requirements: Home Internet Access
>> http://thirdpartyoffers.juno.com/TGL3141/4d5021699ed514d534st04vuc
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3955. Re: [acom-list] EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 20:59:09 UTC
From: Hans Remeeus
Topic: 3938 Message: 3955

Hello Paul,

Excellent remarks and opinion! In fact more than excellent!

This IMD really is a world-wide problem on our HF-bands. For this reason I would strongly suggest the use of a two-tone generator for everyone how uses a linear amplifier and a microphone. I look on my LP-PAN SDR IQ Pan Adapter almost all the time and see a lot of big shoulders and sometimes not only two of them...

Actually I bought a manual operated 1,500 Watt linear amplifier in December 2009. This one was excellent built, very neat, very solid, very heavy and in a very large cabinet. But the IMD (3, 5, 7 and even 9) was terrible! I returned the amp within a couple of weeks. The cheap GS35b triode tube is inappropriate for SSB transmissions and do you know how many stations in Europe use this tube on HF? You better don't want to know...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

> BTW, what Hans has presented is why the ARRL and other publishers of equipment product reviews should conduct dynamic IMD testing. Two-tone static IMD testing shows what the amp is capable of, not the performance it's delivering.
>
> EBS circuits, exacerbated by ALC loops from transceivers of varying manufacture/design all lead to real-world IMD problems that are not identified in the monthly product reviews. Those of us using high-quality pan adapters know this from experience. Take a look at the passband "shoulders" of strong stations across the band and you will see significant performance differences. I typically look at the are around the carrier set point since it takes the upper passband limit of consideration (e.g., Tx running 2.4 kHz v. 3.5 kHz).
>
> I have seen stations using recently developed transceivers into solid-state amps with narrow audio consuming 10 kHz of bandwidth. By contrast, one ESSB station in California is using a TS-950SDX and Alpha 89 amp. The shoulders drop like a rock down to better than -50dBc. So much for the assertion that ESSB with pronounced low-end audio must produce excessive IMD. True, the occupied bandwidth may be extended but that occupation of bandwidth is from the desired response of the operator and not IMD products.
>
> Paul, W9AC
>
>

3956. Fwd: Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 21:03:48 UTC
From: Hans Remeeus
Topic: 3951 Message: 3956

Sorry, I meant: However I think that temperature is a non-issue, but
this is MHO. I doubt that temperature is an issue.

English is not my maiden language, but I sometimes try...

73,,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

-------- Originele bericht --------
Onderwerp: Re: [acom-list] EBS bias mod --again--
Datum: Mon, 07 Feb 2011 21:43:02 +0100
Van: Hans Remeeus <hans@...>
Antwoord-naar: acom-list@yahoogroups.com
Organisatie: PA1HR
Aan: acom-list@yahoogroups.com

Hello Bob,

This is very wise of you. I would do the same if I were an Acom dealer.

Acom is the first in the row to advise us. And of course they always
would advise the safest way; less temperature = less risks.

As user we can take our own risks. My Acom 2000A is 4,5 years out of
warranty...

It's a choice we make our selves: better audio, but perhaps some higher
temperature. Howevery I doubt that temperature is a non-issue, but this
is MHO.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

3957. Re: [acom-list] EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 22:09:30 UTC
From: Paul Christensen
Topic: 3938 Message: 3957

Hans,

Larry, N8LP will soon be offering an affordable Tx spectrum analyzer with built-in 2-tone generator. I suspect that even without the 2-tone test, it will be able to display reasonable dynamic IMD information to capture EBS and ALC effects.

http://www.telepostinc.com/LP-500.html

An analyzer specific for job has been long overdue. I'm happy to see that it's Larry making the device. He truly understands RF mechanics.

Paul, W9AC

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com
Sent: Monday, February 07, 2011 3:59 PM
Subject: Re: [acom-list] EBS and bias crunch modifications

Hello Paul,

Excellent remarks and opinion! In fact more than excellent!

This IMD really is a world-wide problem on our HF-bands. For this reason I would strongly suggest the use of a two-tone generator for everyone how uses a linear amplifier and a microphone. I look on my LP-PAN SDR IQ Pan Adapter almost all the time and see a lot of big shoulders and sometimes not only two of them...

Actually I bought a manual operated 1,500 Watt linear amplifier in December 2009. This one was excellent built, very neat, very solid, very heavy and in a very large cabinet. But the IMD (3, 5, 7 and even 9) was terrible! I returned the amp within a couple of weeks. The cheap GS35b triode tube is inappropriate for SSB transmissions and do you know how many stations in Europe use this tube on HF? You better don't want to know...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

> BTW, what Hans has presented is why the ARRL and other publishers of equipment product reviews should conduct dynamic IMD testing. Two-tone static IMD testing shows what the amp is capable of, not the performance it's delivering.
>
> EBS circuits, exacerbated by ALC loops from transceivers of varying manufacture/design

all lead to real-world IMD problems that are not identified in the monthly product reviews. Those of us using high-quality pan adapters know this from experience. Take a look at the passband "shoulders" of strong stations across the band and you will see significant performance differences. I typically look at the are around the carrier set point since it takes the upper passband limit of consideration (e.g., Tx running 2.4 kHz v. 3.5 kHz).
>
> I have seen stations using recently developed transceivers into solid-state amps with narrow audio consuming 10 kHz of bandwidth. By contrast, one ESSB station in California is using a TS-950SDX and Alpha 89 amp. The shoulders drop like a rock down to better than -50dBc. So much for the assertion that ESSB with pronounced low-end audio must produce excessive IMD. True, the occupied bandwidth may be extended but that occupation of bandwidth is from the desired response of the operator and not IMD products.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

3958. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 23:11:33 UTC
From: ZL2AAA
Topic: 3936 Message: 3958

Hi All As a new member to this group I'am not up with play.Does this EBS also affect the Acom 1000 .Thanks Morrie

Hello George and all,

IMHO this is an 'all-version' issue of the Acom 2000A, because all Acom 2000A have the EBS built in.

Acom says that it is only heard within 1 or 2 km. from your station, when you put a very loud signal on-the-air and the frequency is clear. This is what Acom wrote: "ACOM does not recommend introducing this modification unless you have EXTREMELY high sound-quality requirements. The difference can be detected only at very small distances, under 1-2km. Normally you do not need it and all ACOM2000A, ACOM1000, and ACOM1010 units up to date have been produced without such a modification.

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[Non-text portions of this message have been removed]

3959. Re: [acom-list] EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-07 23:53:05 UTC
From: Barry N1EU
Topic: 3938 Message: 3959

I spent some time trying to elicit the type of tx distortion as in Hans' report but was unsuccessful. I duplicated his two test tones and monitored the rx spectrum as I slowly increased drive upwards from 1W. I saw no non-linear behavior. I did see an increase in IMD as output power increased, but nothing nearly as ugly as Hans reported.

73, Barry N1EU

On Mon, Feb 7, 2011 at 10:09 PM, Paul Christensen <pchristensen@...>wrote:

>
>
> Hans,
>
> Larry, N8LP will soon be offering an affordable Tx spectrum analyzer with
> built-in 2-tone generator. I suspect that even without the 2-tone test, it
> will be able to display reasonable dynamic IMD information to capture EBS
> and ALC effects.
>
> http://www.telepostinc.com/LP-500.html
>
> An analyzer specific for job has been long overdue. I'm happy to see that
> it's Larry making the device. He truly understands RF mechanics.
>
> Paul, W9AC
>
>
> ----- Original Message -----
> From: Hans Remeeus
> To: acom-list@yahoogroups.com
> Sent: Monday, February 07, 2011 3:59 PM
> Subject: Re: [acom-list] EBS and bias crunch modifications
>
> Hello Paul,
>
> Excellent remarks and opinion! In fact more than excellent!
>
> This IMD really is a world-wide problem on our HF-bands. For this reason
> I would strongly suggest the use of a two-tone generator for everyone
> how uses a linear amplifier and a microphone. I look on my LP-PAN SDR IQ
> Pan Adapter almost all the time and see a lot of big shoulders and
> sometimes not only two of them...
>
> Actually I bought a manual operated 1,500 Watt linear amplifier in
> December 2009. This one was excellent built, very neat, very solid, very
> heavy and in a very large cabinet. But the IMD (3, 5, 7 and even 9) was

> terrible! I returned the amp within a couple of weeks. The cheap GS35b
> triode tube is inappropriate for SSB transmissions and do you know how
> many stations in Europe use this tube on HF? You better don't want to
> know...
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> > BTW, what Hans has presented is why the ARRL and other publishers of
> equipment product reviews should conduct dynamic IMD testing. Two-tone
> static IMD testing shows what the amp is capable of, not the performance
> it's delivering.
> >
> > EBS circuits, exacerbated by ALC loops from transceivers of varying
> manufacture/design all lead to real-world IMD problems that are not
> identified in the monthly product reviews. Those of us using high-quality
> pan adapters know this from experience. Take a look at the passband
> "shoulders" of strong stations across the band and you will see significant
> performance differences. I typically look at the are around the carrier set
> point since it takes the upper passband limit of consideration (e.g., Tx
> running 2.4 kHz v. 3.5 kHz).
> >
> > I have seen stations using recently developed transceivers into
> solid-state amps with narrow audio consuming 10 kHz of bandwidth. By
> contrast, one ESSB station in California is using a TS-950SDX and Alpha 89
> amp. The shoulders drop like a rock down to better than -50dBc. So much for
> the assertion that ESSB with pronounced low-end audio must produce excessive
> IMD. True, the occupied bandwidth may be extended but that occupation of
> bandwidth is from the desired response of the operator and not IMD products.
> >
> > Paul, W9AC
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

3960. Fwd: Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 02:26:40 UTC
From: kamarty456
Topic: 3951 Message: 3960

This afternoon I did the deed!
I placed a jumper across R42 on the interface circuit board,
or as some call it "a zero ohm resistor".

I was very lucky as I did not have to remove the interface board to accomplish the modification.

Hans, I compared your schematic diagram that you published here in your excellent file to my schematic....
There are definitely a lot of differences between a 1997/1999 vintage
board and a 2006 board.

For example:

R42 on my board is 1kohm, on the newer board it's 3.9kohm.

The potentiometer for bias adjustments Rp2 on my board is 220kohm,
on the newer board is 50kohm

There is a resistor R137 1megohm on the newer board the older one does not have that part.

R51 on my board is 47kohm, on the newer board it's 22kohm at 1 watt

Q9 on my board is IRF630, on the newer board it's IRF710

etc.etc.etc.

I suspect many changes are due to parts availability and also minor circuit upgrades/changes.

regarding the EBS crunch..It is GONE!!!!
Lovely quiet! I use a Marantz PMD661 digital recorder and use the SPDIF output of the IC770 into the digital input of the recorder. I route the output via the mixer and the analog signal is directed to ACC-1 mod-line input.
Often the EBS crunch was very obvious during playbacks..tonight
SILENCE ...

Regarding increased temperature; it's too soon to determine what the overall effect will be. I do have the optional fan installed.

I do notice a slight temperature increase of maybe 20c [68f]. Keep in mind I only operate SSB fidelity audio. I typically try to keep each transmission under around 1 minute, 2 minutes if I get too long winded.
I have never exceeded 90c [194f] and the amp cools down quickly to around 70-75c [158-167f].

The tube is still well within its temperature parameters as the amp will go into a temperature overheat alarm..at about 150c [302f]. The

tube parameter shows maximum operating temperature is 200c [392f].
ACOM has done an excellent job regarding keeping the tube at a stable and wide operating temperature range.

Regarding IMD products, a friend using his elecraft K-3 pan-adapter looked at my signal very closely. He was very critical and told me I was pure and clean...I utilize the entire 3khz my radio can present and I drop off precipitously and no spikes or crud what so ever. I compliment both the Acom 2000A and the Icom IC7700 for that result.

Thanks to all of your help and to those participating in this topic.

Marty KA7GKN

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Sorry, I meant: However I think that temperature is a non-issue, but
> this is MHO. I doubt that temperature is an issue.
>
> English is not my maiden language, but I sometimes try...
>
> 73,,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
>
> -------- Originele bericht --------
> Onderwerp: Re: [acom-list] EBS bias mod --again--
> Datum: Mon, 07 Feb 2011 21:43:02 +0100
> Van: Hans Remeeus <hans@...>
> Antwoord-naar: acom-list@yahoogroups.com
> Organisatie: PA1HR
> Aan: acom-list@yahoogroups.com
>
>
>
> Hello Bob,
>
> This is very wise of you. I would do the same if I were an Acom dealer.
>
> Acom is the first in the row to advise us. And of course they always
> would advise the safest way; less temperature = less risks.
>
> As user we can take our own risks. My Acom 2000A is 4,5 years out of
> warranty...
>
> It's a choice we make our selves: better audio, but perhaps some higher

> temperature. Howevery I doubt that temperature is a non-issue, but this
> is MHO.
>
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
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>
> [Non-text portions of this message have been removed]
>

3961. Re: [acom-list] EBS and bias crunch modifications

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 06:20:34 UTC
From: Hans Remeeus
Topic: 3938 Message: 3961

Hello Paul,

Does something exist like a Nobelprice for Amateur Radio? ;-)

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-2-2011 23:09, Paul Christensen schreef:
> Hans,
>
> Larry, N8LP will soon be offering an affordable Tx spectrum analyzer with built-in 2-tone generator. I suspect that even without the 2-tone test, it will be able to display reasonable dynamic IMD information to capture EBS and ALC effects.
>
> http://www.telepostinc.com/LP-500.html
>
> An analyzer specific for job has been long overdue. I'm happy to see that it's Larry making the device. He truly understands RF mechanics.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

3962. Re: Fwd: Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 06:32:27 UTC
From: Hans Remeeus
Topic: 3951 Message: 3962

Hello Marty,

Congratulations with your efforts and the results of it. Again a more
than satisfied user of the Acom 2000A with a clean signal; this is the
way to go!

As soon as I have received the extra fan I will do the job myself and
publish the photographs and text on my internetsite.

Please keep us informed about the temperature. Do some extended
transmissions on the dummyload and watch the temp of both tubes on the RCU.

Enjoy your clean voice!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 8-2-2011 3:26, kamarty456 schreef:
> This afternoon I did the deed!
> I placed a jumper across R42 on the interface circuit board,
> or as some call it "a zero ohm resistor".
>
> I was very lucky as I did not have to remove the interface board to accomplish the
modification.
>
> Hans, I compared your schematic diagram that you published here in your excellent file to
my schematic....
> There are definitely a lot of differences between a 1997/1999 vintage
> board and a 2006 board.
>
> For example:
>
> R42 on my board is 1kohm, on the newer board it's 3.9kohm.
>
> The potentiometer for bias adjustments Rp2 on my board is 220kohm,
> on the newer board is 50kohm
>
> There is a resistor R137 1megohm on the newer board the older one does not have that
part.
>
> R51 on my board is 47kohm, on the newer board it's 22kohm at 1 watt
>
> Q9 on my board is IRF630, on the newer board it's IRF710

>
> etc.etc.etc.
>
> I suspect many changes are due to parts availability and also minor circuit upgrades/changes.
>
> regarding the EBS crunch..It is GONE!!!!
> Lovely quiet! I use a Marantz PMD661 digital recorder and use the SPDIF output of the IC770 into the digital input of the recorder. I route the output via the mixer and the analog signal is directed to ACC-1 mod-line input.
> Often the EBS crunch was very obvious during playbacks..tonight
> SILENCE ...
>
> Regarding increased temperature; it's too soon to determine what the overall effect will be. I do have the optional fan installed.
>
> I do notice a slight temperature increase of maybe 20c [68f]. Keep in mind I only operate SSB fidelity audio. I typically try to keep each transmission under around 1 minute, 2 minutes if I get too long winded.
> I have never exceeded 90c [194f] and the amp cools down quickly to around 70-75c [158-167f].
>
> The tube is still well within its temperature parameters as the amp will go into a temperature overheat alarm..at about 150c [302f]. The
> tube parameter shows maximum operating temperature is 200c [392f].
> ACOM has done an excellent job regarding keeping the tube at a stable and wide operating temperature range.
>
> Regarding IMD products, a friend using his elecraft K-3 pan-adapter looked at my signal very closely. He was very critical and told me I was pure and clean...I utilize the entire 3khz my radio can present and I drop off precipitously and no spikes or crud what so ever.
> I compliment both the Acom 2000A and the Icom IC7700 for that result.
>
> Thanks to all of your help and to those participating in this topic.
>
> Marty KA7GKN
>

[Non-text portions of this message have been removed]

3963. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 11:14:09 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 3963

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /EBS and Bias crunch mod/SDRQuickAudio.mp3
Uploaded by : pa1hr <hans@...>
Description : EBS and Bias crunch before the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference. Without the processor the Bias Crunch is very good readable. With processor the Bias crunch is still there, but not so significant. Recording with Flex5000 SDR on February 8th 2011.

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/SDRQuickAudio.mp3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1hr <hans@...>

3964. EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 11:15:28 UTC
From: Paul Christensen
Topic: 3936 Message: 3964

Hi Marty,

What is your plate idle current now after the mod?

Paul, W9AC

[Non-text portions of this message have been removed]

3965. RE: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 12:57:45 UTC
From: BMarton
Topic: 318 Message: 3965

Well that file does not play on this end for some reason.. Any ideas as to why not?

Bruce K1XR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, February 08, 2011 6:14 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] New file uploaded to acom-list

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /EBS and Bias crunch mod/SDRQuickAudio.mp3
Uploaded by : pa1hr <hans@... <mailto:hans%40remeeus.eu> >
Description : EBS and Bias crunch before the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference. Without the processor the Bias Crunch is very good readable. With processor the Bias crunch is still there, but not so significant. Recording with Flex5000 SDR on February 8th 2011.

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/SDRQuickAudio.mp3

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1hr <hans@... <mailto:hans%40remeeus.eu> >

[Non-text portions of this message have been removed]

3966. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 13:35:15 UTC
From: Hans Remeeus
Topic: 318 Message: 3966

Hello Bruce,

I just monitored the file and this is the whole recording. The file ends
with my callsign (in Dutch).

73,
Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 8-2-2011 13:57, BMarton schreef:
> Well that file does not play on this end for some reason.. Any ideas as to
> why not?
>
>
>
> Bruce K1XR
>
>
>

[Non-text portions of this message have been removed]

3967. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 13:35:47 UTC
From: N1EU
Topic: 318 Message: 3967

Hans, what was the Flex power output feeding the Acom during this recording?

Tnx/73,
Barry N1EU

--- In acom-list@yahoogroups.com, acom-list@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the acom-list
> group.
>
> File : /EBS and Bias crunch mod/SDRQuickAudio.mp3
> Uploaded by : pa1hr <hans@...>
> Description : EBS and Bias crunch before the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference. Without the processor the Bias Crunch is very good readable. With processor the Bias crunch is still there, but not so significant. Recording with Flex5000 SDR on February 8th 2011.
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/SDRQuickAudio.mp3
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> pa1hr <hans@...>
>

3968. Re: [acom-list] Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 13:37:43 UTC
From: Hans Remeeus
Topic: 318 Message: 3968

Hello Barry,

The recording was done by a Flex5000.

My transmission was done with the Yaesu FTdx5000d (35 Watt output) and
Aom 2000A.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 8-2-2011 14:35, N1EU schreef:
> Hans, what was the Flex power output feeding the Acom during this recording?
>
> Tnx/73,
> Barry N1EU
>

[Non-text portions of this message have been removed]

3969. Tube Temperature

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 14:40:29 UTC
From: Hal Kennedy
Topic: 3969 Message: 3969

A recurrent error on this board has come up again in the recent postings concerning disabling EBS. The exit air temperature as measured by the amplifier is not the same as the tube envelope temperature. They can't be, per Newton's law of cooling.

A few things to think about:

- The 4CX800A and GU74b are rated for an absolute maximum envelope temperature of 200 centigrade.
- No components, including tubes, should ever be operated at their absolute maximum ratings. They should be run near their typical operating characteristics.
- The DIFFERENCE (gradient) in temperature between the tube envelope and its cooling air increases as power dissipation goes up - the function is linear in the region we are interested in. (Fourier's law)

So, as a hypothetical example, an exit air temperature of 90 centigrade might mean the envelope of the tube is 150 centigrade. The gradient is 60C. But if the exit air climbs to 100C, the envelop might climb to 165C for a temperature gradient of 65C. In this example, the envelope reaches 195C for an exit air temperature of 120C for a temperature gradient of 75C. (To keep this easy I have ignored the other important gradient - delta T between the input air and the output air)

What are the real, rather than the hypothetical numbers? We would need to put a thermocouple on the hottest spot on the tube and make some measurements to know. When Alpha designed the Alpha 91b RF deck, that wound up in the 2000A, they no doubt made these measurements. My hypothetical above will not be far off however.
Bottom line:

My view of the engineering in the Alpha 91b/ACOM 2000A is it is outstanding - but by that I mean it has just what it needs and not much more in every characteristic. Adding additional margins costs money amateurs are usually unwilling to pay for. This extends to the cooling. It's adequate at up to an input air temperature of around 35C at 5000 feet altitude (Denver, CO) for ICAS service. It also appears to be just adequate at steady state (10 minutes of key down) for 25C input air at sea level. Beyond that the auxiliary fan is suggested.

I won't comment on the additional heat introduced by, or the wisdom associated with, disabling EBS. Just don't assume all is well if the exit air is below 200C - far from it. Amateurs always want to push the envelope - pun intended.

73,
Hal N4GG

[Non-text portions of this message have been removed]

3970. RE: [acom-list] Tube Temperature

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 15:15:51 UTC
From: Kees - pa7two
Topic: 3969 Message: 3970

To add to Hal's excellent explanation of the temperature INSIDE the tube is not what one measures at the OUTSIDE of the tube I would like to add the following:
Also the measured temperature differs when on different locations (above or aside the tubes in example) are used to measure the tubes temperature. When measuring the temperature at two different locations, the values easily differ 10-20 degrees Celcius when compared to another in an Acom 2000A.

Just my two cents.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: halken@comcast.net
Date: Tue, 8 Feb 2011 09:40:29 -0500
Subject: [acom-list] Tube Temperature

A recurrent error on this board has come up again in the recent postings

concerning disabling EBS. The exit air temperature as measured by the

amplifier is not the same as the tube envelope temperature. They can't

be, per Newton's law of cooling.

A few things to think about:

- The 4CX800A and GU74b are rated for an absolute maximum

envelope temperature of 200 centigrade.

- No components, including tubes, should ever be operated at

their absolute maximum ratings. They should be run near their typical

operating characteristics.

- The DIFFERENCE (gradient) in temperature between the tube

envelope and its cooling air increases as power dissipation goes up -

the function is linear in the region we are interested in. (Fourier's

law)

So, as a hypothetical example, an exit air temperature of 90 centigrade

might mean the envelope of the tube is 150 centigrade. The gradient is

60C. But if the exit air climbs to 100C, the envelop might climb to 165C for a temperature gradient of 65C. In this example, the envelope reaches 195C for an exit air temperature of 120C for a temperature gradient of 75C. (To keep this easy I have ignored the other important gradient - delta T between the input air and the output air)

What are the real, rather than the hypothetical numbers? We would need to put a thermocouple on the hottest spot on the tube and make some measurements to know. When Alpha designed the Alpha 91b RF deck, that wound up in the 2000A, they no doubt made these measurements. My hypothetical above will not be far off however.

Bottom line:

My view of the engineering in the Alpha 91b/ACOM 2000A is it is outstanding - but by that I mean it has just what it needs and not much more in every characteristic. Adding additional margins costs money amateurs are usually unwilling to pay for. This extends to the cooling. It's adequate at up to an input air temperature of around 35C at 5000 feet altitude (Denver, CO) for ICAS service. It also appears to be just adequate at steady state (10 minutes of key down) for 25C input air at sea level. Beyond that the auxiliary fan is suggested.

I won't comment on the additional heat introduced by, or the wisdom associated with, disabling EBS. Just don't assume all is well if the exit air is below 200C - far from it. Amateurs always want to push the envelope - pun intended.

73,

Hal N4GG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3971. Re: Tube Temperature

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 19:56:23 UTC
From: kamarty456
Topic: 3969 Message: 3971

Thank you Kees.

I have an external temperature gauge with its thermistor placed above the rear tube exhaust. comparing the RCU temperature indication and the external gauge I typically see about a 20 degree variance. It does not matter if I place the thermistor at the front tube as the readings are about the same.

Now to be fair I do wonder how accurate the RCU values are..as I had to recalibrate the mains voltage indication..it was off by almost 5VAC!

I use the external temperature gauge to read Fahrenheit.

I noticed a slight temperature increase of about 20c [68f] during my normal operating. I will report back later this evening to share all my RCU parameters when the amp has been operating for over an hour.

My tubes are just shy of 3900 run hours.
I do have the external cooling fan.

Marty KA7GKN

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> To add to Hal's excellent explanation of the temperature INSIDE the tube is not what one measures at the OUTSIDE of the tube I would like to add the following:
> Also the measured temperature differs when on different locations (above or aside the tubes in example) are used to measure the tubes temperature. When measuring the temperature at two different locations, the values easily differ 10-20 degrees Celcius when compared to another in an Acom 2000A.
>
> Just my two cents.
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
>
> To: acom-list@yahoogroups.com
> From: halken@...
> Date: Tue, 8 Feb 2011 09:40:29 -0500
> Subject: [acom-list] Tube Temperature
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> amplifier is not the same as the tube envelope temperature. They can't
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> be, per Newton's law of cooling.
>
>
>
> A few things to think about:
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>
>
> - The 4CX800A and GU74b are rated for an absolute maximum
>
> envelope temperature of 200 centigrade.
>
> - No components, including tubes, should ever be operated at
>
> their absolute maximum ratings. They should be run near their typical
>
> operating characteristics.
>

> - The DIFFERENCE (gradient) in temperature between the tube
>
> envelope and its cooling air increases as power dissipation goes up -
>
> the function is linear in the region we are interested in. (Fourier's
>
> law)
>
>
>
> So, as a hypothetical example, an exit air temperature of 90 centigrade
>
> might mean the envelope of the tube is 150 centigrade. The gradient is
>
> 60C. But if the exit air climbs to 100C, the envelop might climb to
>
> 165C for a temperature gradient of 65C. In this example, the envelope
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> reaches 195C for an exit air temperature of 120C for a temperature
>
> gradient of 75C. (To keep this easy I have ignored the other important
>
> gradient - delta T between the input air and the output air)
>
>
>
> What are the real, rather than the hypothetical numbers? We would need
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> to put a thermocouple on the hottest spot on the tube and make some
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> measurements to know. When Alpha designed the Alpha 91b RF deck, that
>
> wound up in the 2000A, they no doubt made these measurements. My
>
> hypothetical above will not be far off however.
>
> Bottom line:
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>
>
> My view of the engineering in the Alpha 91b/ACOM 2000A is it is
>
> outstanding - but by that I mean it has just what it needs and not much
>
> more in every characteristic. Adding additional margins costs money
>
> amateurs are usually unwilling to pay for. This extends to the cooling.
>
> It's adequate at up to an input air temperature of around 35C at 5000
>

> feet altitude (Denver, CO) for ICAS service. It also appears to be just
>
> adequate at steady state (10 minutes of key down) for 25C input air at
>
> sea level. Beyond that the auxiliary fan is suggested.
>
>
>
> I won't comment on the additional heat introduced by, or the wisdom
>
> associated with, disabling EBS. Just don't assume all is well if the
>
> exit air is below 200C - far from it. Amateurs always want to push the
>
> envelope - pun intended.
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>
> 73,
>
> Hal N4GG
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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3972. RE: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 23:22:19 UTC
From: bmarton
Topic: 318 Message: 3972

Hi Hans,

I click on the link enclosed in the e mail, I am brought to a log in page in yahoo groups, then I get a dark grey page with a start key and a progress bar for the file, but nothing more. It will not start, it cannot be started by clicking on anything and it just sits there. Any ideas as to why the file will not load or play?

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hans Remeeus
Sent: Tuesday, February 08, 2011 8:35 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] New file uploaded to acom-list

Hello Bruce,

I just monitored the file and this is the whole recording. The file ends with my callsign (in Dutch).

73,
Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 8-2-2011 13:57, BMarton schreef:
> Well that file does not play on this end for some reason.. Any ideas as to
> why not?
>
>
>
> Bruce K1XR
>
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

3973. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-08 23:38:13 UTC
From: Barry N1EU
Topic: 318 Message: 3973

Bruce, I would first go to:

http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/

And then you should see 10 files that Hans has posted and you should be able
to right click any of them and save them to your disk.

73, Barry N1EU

On Tue, Feb 8, 2011 at 11:22 PM, bmarton <bmarton@...> wrote:

>
>
> Hi Hans,
>
> I click on the link enclosed in the e mail, I am brought to a log in page
> in
> yahoo groups, then I get a dark grey page with a start key and a progress
> bar for the file, but nothing more. It will not start, it cannot be
> started by clicking on anything and it just sits there. Any ideas as to
> why the file will not load or play?
>
> Bruce K1XR
>
> _____
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Hans Remeeus
> Sent: Tuesday, February 08, 2011 8:35 AM
>
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] New file uploaded to acom-list
>
>
>
> Hello Bruce,
>
> I just monitored the file and this is the whole recording. The file ends
> with my callsign (in Dutch).
>
> 73,
> Vriendelijke groeten,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.

>
> Op 8-2-2011 13:57, BMarton schreef:
> > Well that file does not play on this end for some reason.. Any ideas as
> to
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> >
> > Bruce K1XR
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> [Non-text portions of this message have been removed]
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3974. Re: [acom-list] EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 00:03:54 UTC
From: Barry N1EU
Topic: 3936 Message: 3974

I'm wondering why not implement the jumper with a SPST relay to remotely switch it in for ragchewing and switch it out for contesting - that way you could keep the amp cooler during those 48-hour marathons.

Barry N1EU

On Tue, Feb 8, 2011 at 11:15 AM, Paul Christensen <pchristensen@...>wrote:

>
>
> Hi Marty,
>
> What is your plate idle current now after the mod?
>
> Paul, W9AC
>
>
> [Non-text portions of this message have been removed]
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3975. RE: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 00:06:30 UTC
From: bmarton
Topic: 318 Message: 3975

Barry,

I did go to this page, saved the file to my desktop and it opens with media player and plays all of a split second of audio, that's all I get! Is this a quicktime file by any chance? If so, that might be my problem as I don't have it on this computer.

Bruce

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, February 08, 2011 6:38 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] New file uploaded to acom-list

Bruce, I would first go to:

http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/

And then you should see 10 files that Hans has posted and you should be able to right click any of them and save them to your disk.

73, Barry N1EU

On Tue, Feb 8, 2011 at 11:22 PM, bmarton <bmarton@... <mailto:bmarton%40maine.rr.com> > wrote:

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>
> Hi Hans,
>
> I click on the link enclosed in the e mail, I am brought to a log in page
> in
> yahoo groups, then I get a dark grey page with a start key and a progress
> bar for the file, but nothing more. It will not start, it cannot be
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> why the file will not load or play?
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> Bruce K1XR
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> _____
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> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
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> Of Hans Remeeus
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> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] New file uploaded to acom-list
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> Hello Bruce,
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> I just monitored the file and this is the whole recording. The file ends
> with my callsign (in Dutch).
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3976. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 00:36:55 UTC
From: Barry N1EU
Topic: 318 Message: 3976

No Bruce, it's a standard mp3 audio file (128kbps, stereo, 48kHz sampled,
48sec) that plays in my Windows Media Player. Check that the file you save
is 758KB in size to confirm you really got it.

73, Barry N1EU

On Wed, Feb 9, 2011 at 12:06 AM, bmarton <bmarton@...> wrote:

>
>
> Barry,
>
> I did go to this page, saved the file to my desktop and it opens with media
> player and plays all of a split second of audio, that's all I get! Is
> this a quicktime file by any chance? If so, that might be my problem as I
> don't have it on this computer.
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> Bruce
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> Behalf
> Of Barry N1EU
> Sent: Tuesday, February 08, 2011 6:38 PM
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> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] New file uploaded to acom-list
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> Bruce, I would first go to:
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>
> http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mo
> d/
>
> And then you should see 10 files that Hans has posted and you should be
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> > > Bruce K1XR
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3977. RE: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 00:44:39 UTC
From: bmarton
Topic: 318 Message: 3977

I saved the file and what is suspect is that its very small, not 758kb. No idea why this is happening

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, February 08, 2011 7:37 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] New file uploaded to acom-list

No Bruce, it's a standard mp3 audio file (128kbps, stereo, 48kHz sampled, 48sec) that plays in my Windows Media Player. Check that the file you save is 758KB in size to confirm you really got it.

73, Barry N1EU

On Wed, Feb 9, 2011 at 12:06 AM, bmarton <bmarton@...
<mailto:bmarton%40maine.rr.com> > wrote:

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> Barry,
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> I did go to this page, saved the file to my desktop and it opens with media
> player and plays all of a split second of audio, that's all I get! Is
> this a quicktime file by any chance? If so, that might be my problem as I
> don't have it on this computer.
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> Bruce
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> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
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> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] New file uploaded to acom-list
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> Bruce, I would first go to:
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>
>
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mo
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> <mailto:bmarton%40maine.rr.com> > wrote:
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3978. Re: EBS bias mod --again--

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 01:44:57 UTC
From: kamarty456
Topic: 3936 Message: 3978

Evening Barry,
I wish the band was a bit better to hear you 5/9+20
Using a small switch to engage or disengage the EBS is doable

Just remember to the majority of hams EBS is a moot topic as well as EBS on other brands of amplifiers.

So..it's up to you and your station as to what you'll do regarding the EBS circuit.

I'll be posting parameters later.

Marty KA7GKN

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I'm wondering why not implement the jumper with a SPST relay to remotely
> switch it in for ragchewing and switch it out for contesting - that way you
> could keep the amp cooler during those 48-hour marathons.
>
> Barry N1EU
>
> On Tue, Feb 8, 2011 at 11:15 AM, Paul Christensen <pchristensen@...>wrote:
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> > >
> > >
> > > Hi Marty,
> > >
> > > What is your plate idle current now after the mod?
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> > > Paul, W9AC
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> > >
> > > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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3979. Parameters after EBS is bypassed

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 02:45:06 UTC
From: kamarty456
Topic: 3979 Message: 3979

I'll try to present this with some sort of logic so please bear with me.

First a few comments:

I only really noticed an increase in the exhaust air temperature,
I estimate about 20c or 68f.
All other parameters were just about as they were prior to the modification. The bias function now only has two modes on and off.

Oh, the most obvious result was the elimination of the "bias crunch"

bias stby= -127 oper= -57 [transmitting and does not fluctuate between words]
VSWR = --- = 1.0
Temp-R= 51-53c = 77-87c
Temp-F= 51-53c = 77-87c

At this point let me comment about temperature as it varies significantly. I only use SSB fidelity audio. Key down time
runs from typically 45 seconds to a long winded 2 minutes..I try to avoid long diatribes.

When the amp is first turned on after the initial warm up I typically see 40-45c. After I transmit say 1 minute the temperature is around 75-78c and then when I wait for my turn again the amp cools down
quickly to 55-67c. This depends upon when my next turn happens.

Worse case I briefly saw 90C and a cool down to 77c. I never exceeded 90c. The amp high temperature alarms/faults at 150c so I'm not concerned.

When I shut down, I always allow the amp to cool to 50-53c before turning the RCU off and amp main switch off.

Remember at 80c the amp will still run when you shut off the RCU to cool the tubes. The high temperature alarm protection is at 150c.

The optional fan kicks in at around 90C. The fan if tied to its associated circuit control is actually a two speed arrangement.
It runs "on" continuously, at 90c it increases its speed to facilitate a quicker cool down.

Back to parameters:

screen V stby= 12 oper= 350-352
rfl-P= ---- 0
plate-RF= 0 1.92
mains= 247 247
I-screen= 0 3ma
I-plate= 0 0.9
I-grid= 0 1.5
IF-rear= 3.7 3.7

IF-front= 3.9 3.9
HV= 2.7kv 2.6-2.41kv
gain= 0 14db
fil-V= 13.3 13.3-13.4
freq= 0 14.178mhz
drive= 0 45-48v
dc input 0 2.19kw

Now your parameters will be different so look at mine only as
a brief snapshot. They do change as I operate. Also these numbers are with the amplifier set to an output of about 1kw

My outboard metering via a Palstar AT-Auto tuner peak reading watt meter. I keyed down using RTTY for the above readings as SSB voice will cause the values to vacillate. The Palstar shows 1kw the RCU shows 1.2kw. I did this into my Sommer XP707 antenna and not a dummy load as it was simply more convenient.

My external temperature monitor set to Fahrenheit and typically reads about 20 degrees lower..I take into account the location of the Acom
temperature thermistors VS my external probe. The difference between
placement in the front or rear exhaust chimney is negligible.

So....in summary ....

If you are an operator that is aware of the bias crunch and is willing to disregard a slight increase of tube temperature then I say
go for it.
If you typically chase DX and contest and do narrow SSB with all knobs to the right, then the bias crunch is really not an issue for you and leave the amplifier alone.

Most hams listening 300-2500 will most often be unaware of the bias crunch. Open your transmit audio to 100-3k or wider and then it will be noticed.

Run the speech processor [over driven] perhaps the crunch is not your main challenge rather IMD and distortion and room noise should be your concern instead.

I personally believe the introduction of the EBS circuit was to allow the manufacturer an easy way to reduce the need for expensive circuits etc. and to keep the retail price of the product low ensuring a longer tube life without concern of signal purity as long as it made the FCC happy in its certification. [my opinion]

I am glad I made the modification. If my parameters are quite different than what you typically see keep in mind the following;
1. my 2000A is almost ten years old
2. I have the original tubes
3. approximate tube hours is close to 3900
4. I do not run the amp to max 1500w I usually stay between 800-1200w
5. I only operate SSB no RTTY or digital etc.

My radio is the Icom IC7700, antenna Sommer XP707, Behringer audio

I'll keep an eye on my parameters and next week I'll revisit the numbers and post them.

I have only run the amp for about 2 hours since making the modification.

Regards,

Marty KA7GKN

3980. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 06:47:34 UTC
From: Hans Remeeus
Topic: 318 Message: 3980

Hello Bruce,

Strange.
Did you try to install QuickTime?
http://quicktime-download.info/

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 0:22, bmarton schreef:
> Hi Hans,
>
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> I click on the link enclosed in the e mail, I am brought to a log in page in
> yahoo groups, then I get a dark grey page with a start key and a progress
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> why the file will not load or play?
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>
>
> Bruce K1XR
>
>
>

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3981. Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:05:39 UTC
From: Uffe
Topic: 3936 Message: 3981

The ACOM 1000 would indeed appear to have the same circuit. The equivalent of R42 (ACOM2000) to be short-circuited is R11 on the MAINS PCB.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, ZL2AAA <zl2aaa@...> wrote:
>
>
> Hi All As a new member to this group I'am not up with play.Does this EBS also affect the Acom 1000 .Thanks Morrie
>
>
>
> Hello George and all,
>
> IMHO this is an 'all-version' issue of the Acom 2000A, because all Acom
> 2000A have the EBS built in.
>
> Acom says that it is only heard within 1 or 2 km. from your station,
> when you put a very loud signal on-the-air and the frequency is clear.
> This is what Acom wrote: "ACOM does not recommend introducing this
> modification unless you have EXTREMELY high sound-quality requirements.
> The difference can be detected only at very small distances, under
> 1-2km. Normally you do not need it and all ACOM2000A, ACOM1000, and
> ACOM1010 units up to date have been produced without such a
> modification.
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3982. RE: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:21:58 UTC
From: Kees - pa7two
Topic: 3936 Message: 3982

Hi Uffe,

Thanks for your info. To summaries, the only and only that needs to be done is shorting this resistor in an Acom 1000?

How about a mod for the Acom 1010? Anyone?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: pa5dd@...
Date: Wed, 9 Feb 2011 13:05:39 +0000
Subject: [acom-list] Re: EBS bias mod - ACOM 1000

The ACOM 1000 would indeed appear to have the same circuit. The equivalent of R42 (ACOM2000) to be short-circuited is R11 on the MAINS PCB.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, ZL2AAA <zl2aaa@...> wrote:

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> Hi All As a new member to this group I'am not up with play.Does this EBS also affect the Acom 1000 .Thanks Morrie

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> Hello George and all,

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> IMHO this is an 'all-version' issue of the Acom 2000A, because all Acom

> 2000A have the EBS built in.

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> Acom says that it is only heard within 1 or 2 km. from your station,

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> This is what Acom wrote: "ACOM does not recommend introducing this
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> The difference can be detected only at very small distances, under
> 1-2km. Normally you do not need it and all ACOM2000A, ACOM1000, and
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3983. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:33:23 UTC
From: Paul Christensen
Topic: 3936 Message: 3983

> Acom says that it is only heard within 1 or 2 km. from your station,
> when you put a very loud signal on-the-air and the frequency is clear.

The EBS issue is independent of distance and its effects are most noticeable when receive signal strength is very strong. I typically hear (and see with an SDR-IQ) EBS distortion when signal levels exceed about 20dB/S9.

EBS effects seem most noticeable when the EBS circuit forces the amp into deep Class C during unkeyed idling periods. Even with a fast EBS circuit, the tube still require some time to come out of Class C. Tom, W8JI beautifully sums up the potential EBS "crunch." In particular, look at his paragraph under "Poor Bias Systems."

http://www.w8ji.com/electronic_bias.htm

As he states, these amps would be better placed at the cusp of Class B rather than driven deep into Class C during idle periods. In my opinion, this should be accomplished by the operator to optimize bias as tube characteristics change, replacements, etc. But, most of today's appliance operators do not understand amp bias class. Giving them access to a bias control could be dangerous for the rest of us. However, my understanding is that through a PC terminal connection, the Alpha 8410 allows just that.

To Marty, thanks for the detailed feedback. Your observation almost completely mirrors what I see with my Alpha 77Dx when it's EBS is bypassed with an internal control pot (the functional equivalent of the R42 bypass in the ACOM). The added increase in temperature only occurs when the key line is active and resumes back to normal temps when the mic is unkeyed. This is still far below the heat produced by ops running digital/FSK modes with EBS activated.

In fact, this is no different than what occurs with my SBE solid-state amp. When the key line is active about 1 amp of FET PA current is observed and that does produce some heat. The SBE uses no EBS circuit. The heat increase is masked by the amount generated when producing power.

To Barry's point, I think bypass of EBS in the ACOM 2000A is arguably more important during a contest when signals are strong and the band is densely packed.

Paul, W9AC

[Non-text portions of this message have been removed]

3984. Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:38:57 UTC
From: Uffe
Topic: 3936 Message: 3984

The ACOM EBS switches between two idle plate currents (375mA / 55mA for ACOM2000). Both of these currents would be class AB. None of them would be class C.

That said any abrupt change of operating point will introduce non-linear distortion. The problem is not so much the value of the current, but the change of it.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> > Acom says that it is only heard within 1 or 2 km. from your station,
> > when you put a very loud signal on-the-air and the frequency is clear.
>
> The EBS issue is independent of distance and its effects are most noticeable when receive signal strength is very strong. I typically hear (and see with an SDR-IQ) EBS distortion when signal levels exceed about 20dB/S9.
>
> EBS effects seem most noticeable when the EBS circuit forces the amp into deep Class C during unkeyed idling periods. Even with a fast EBS circuit, the tube still require some time to come out of Class C. Tom, W8JI beautifully sums up the potential EBS "crunch." In particular, look at his paragraph under "Poor Bias Systems."
>
> http://www.w8ji.com/electronic_bias.htm
>
> As he states, these amps would be better placed at the cusp of Class B rather than driven deep into Class C during idle periods. In my opinion, this should be accomplished by the operator to optimize bias as tube characteristics change, replacements, etc. But, most of today's appliance operators do not understand amp bias class. Giving them access to a bias control could be dangerous for the rest of us. However, my understanding is that through a PC terminal connection, the Alpha 8410 allows just that.
>
> To Marty, thanks for the detailed feedback. Your observation almost completely mirrors what I see with my Alpha 77Dx when it's EBS is bypassed with an internal control pot (the functional equivalent of the R42 bypass in the ACOM). The added increase in temperature only occurs when the key line is active and resumes back to normal temps when the mic is unkeyed. This is still far below the heat produced by ops running digital/FSK modes with EBS activated.
>
> In fact, this is no different than what occurs with my SBE solid-state amp. When the key line is active about 1 amp of FET PA current is observed and that does produce some heat. The SBE uses no EBS circuit. The heat increase is masked by the amount generated when producing power.
>
> To Barry's point, I think bypass of EBS in the ACOM 2000A is arguably more important during a contest when signals are strong and the band is densely packed.
>

> Paul, W9AC
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> [Non-text portions of this message have been removed]
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3985. Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:41:55 UTC
From: Uffe
Topic: 3936 Message: 3985

Yes, Kees as far as I can see (=disclaimer) you can disable EBS by shortening R11.

This will leave the amplifier with a higher constant idle plate current (220 mA).
Personally I think I am going to set it a bit lower (RP2) like 150 mA.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Uffe,
>
> Thanks for your info. To summaries, the only and only that needs to be done is shorting this resistor in an Acom 1000?
>
> How about a mod for the Acom 1010? Anyone?
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
> To: acom-list@yahoogroups.com
> From: pa5dd@...
> Date: Wed, 9 Feb 2011 13:05:39 +0000
> Subject: [acom-list] Re: EBS bias mod - ACOM 1000
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> The ACOM 1000 would indeed appear to have the same circuit. The equivalent of R42 (ACOM2000) to be short-circuited is R11 on the MAINS PCB.
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> 73 Uffe PA5DD
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>
> --- In acom-list@yahoogroups.com, ZL2AAA <zl2aaa@> wrote:
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>
> > Hi All As a new member to this group I'am not up with play.Does this EBS also affect the Acom 1000 .Thanks Morrie
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>
> > Hello George and all,
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>
> > IMHO this is an 'all-version' issue of the Acom 2000A, because all Acom
>
> > 2000A have the EBS built in.
>
> >
>
> > Acom says that it is only heard within 1 or 2 km. from your station,
>
> > when you put a very loud signal on-the-air and the frequency is clear.
>
> > This is what Acom wrote: "ACOM does not recommend introducing this
>

> > modification unless you have EXTREMELY high sound-quality requirements.
>
> > The difference can be detected only at very small distances, under
>
> > 1-2km. Normally you do not need it and all ACOM2000A, ACOM1000, and
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> > ACOM1010 units up to date have been produced without such a
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> > modification.
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3986. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:47:32 UTC
From: Paul Christensen
Topic: 3936 Message: 3986

Uffe,

But the system uses three level of bias, not two. The larger problem occurs when using VOX and going from full cut-off to level two very quickly. Your point is excellent in that any abrupt change in bias will introduce non-linear distortion.

Paul, W9AC

----- Original Message -----
From: Uffe
To: acom-list@yahoogroups.com
Sent: Wednesday, February 09, 2011 8:38 AM
Subject: [acom-list] Re: EBS bias mod - ACOM 1000

The ACOM EBS switches between two idle plate currents (375mA / 55mA for ACOM2000). Both of these currents would be class AB. None of them would be class C.

That said any abrupt change of operating point will introduce non-linear distortion. The problem is not so much the value of the current, but the change of it.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> > Acom says that it is only heard within 1 or 2 km. from your station,
> > when you put a very loud signal on-the-air and the frequency is clear.
>
> The EBS issue is independent of distance and its effects are most noticeable when receive signal strength is very strong. I typically hear (and see with an SDR-IQ) EBS distortion when signal levels exceed about 20dB/S9.
>
> EBS effects seem most noticeable when the EBS circuit forces the amp into deep Class C during unkeyed idling periods. Even with a fast EBS circuit, the tube still require some time to come out of Class C. Tom, W8JI beautifully sums up the potential EBS "crunch." In particular, look at his paragraph under "Poor Bias Systems."
>
> http://www.w8ji.com/electronic_bias.htm
>
> As he states, these amps would be better placed at the cusp of Class B rather than driven deep into Class C during idle periods. In my opinion, this should be accomplished by the operator to optimize bias as tube characteristics change, replacements, etc. But, most of today's appliance operators do not understand amp bias class. Giving them access to a bias control could be dangerous for the rest of us. However, my understanding is that through a PC terminal connection, the Alpha 8410 allows just that.
>
> To Marty, thanks for the detailed feedback. Your observation almost completely mirrors what I see with my Alpha 77Dx when it's EBS is bypassed with an internal control pot (the

functional equivalent of the R42 bypass in the ACOM). The added increase in temperature only occurs when the key line is active and resumes back to normal temps when the mic is unkeyed. This is still far below the heat produced by ops running digital/FSK modes with EBS activated.
>
> In fact, this is no different than what occurs with my SBE solid-state amp. When the key line is active about 1 amp of FET PA current is observed and that does produce some heat. The SBE uses no EBS circuit. The heat increase is masked by the amount generated when producing power.
>
> To Barry's point, I think bypass of EBS in the ACOM 2000A is arguably more important during a contest when signals are strong and the band is densely packed.
>
> Paul, W9AC
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> [Non-text portions of this message have been removed]
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3987. Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:49:24 UTC
From: Uffe
Topic: 3936 Message: 3987

The ACOM EBS system only uses two levels of bias when keyed.

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> Uffe,
>
> But the system uses three level of bias, not two. The larger problem occurs when using VOX and going from full cut-off to level two very quickly. Your point is excellent in that any abrupt change in bias will introduce non-linear distortion.
>
> Paul, W9AC
>

3988. Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 13:55:32 UTC
From: Uffe
Topic: 3936 Message: 3988

Ok, I get the point about the VOX. Where I come from (VHF) we don't use that kind of thing.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> Uffe,
>
> But the system uses three level of bias, not two. The larger problem occurs when using VOX and going from full cut-off to level two very quickly. Your point is excellent in that any abrupt change in bias will introduce non-linear distortion.
>
> Paul, W9AC
>
> ----- Original Message -----
> From: Uffe
> To: acom-list@yahoogroups.com
> Sent: Wednesday, February 09, 2011 8:38 AM
> Subject: [acom-list] Re: EBS bias mod - ACOM 1000
>
>
>
>
> The ACOM EBS switches between two idle plate currents (375mA / 55mA for ACOM2000). Both of these currents would be class AB. None of them would be class C.
>
> That said any abrupt change of operating point will introduce non-linear distortion. The problem is not so much the value of the current, but the change of it.
>
> 73 Uffe PA5DD
>
> --- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@> wrote:
> >
> > > Acom says that it is only heard within 1 or 2 km. from your station,
> > > when you put a very loud signal on-the-air and the frequency is clear.
> >
> > The EBS issue is independent of distance and its effects are most noticeable when receive signal strength is very strong. I typically hear (and see with an SDR-IQ) EBS distortion when signal levels exceed about 20dB/S9.
> >
> > EBS effects seem most noticeable when the EBS circuit forces the amp into deep Class C during unkeyed idling periods. Even with a fast EBS circuit, the tube still require some time to come out of Class C. Tom, W8JI beautifully sums up the potential EBS "crunch." In particular, look at his paragraph under "Poor Bias Systems."
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> > http://www.w8ji.com/electronic_bias.htm

> >
> > As he states, these amps would be better placed at the cusp of Class B rather than driven deep into Class C during idle periods. In my opinion, this should be accomplished by the operator to optimize bias as tube characteristics change, replacements, etc. But, most of today's appliance operators do not understand amp bias class. Giving them access to a bias control could be dangerous for the rest of us. However, my understanding is that through a PC terminal connection, the Alpha 8410 allows just that.
> >
> > To Marty, thanks for the detailed feedback. Your observation almost completely mirrors what I see with my Alpha 77Dx when it's EBS is bypassed with an internal control pot (the functional equivalent of the R42 bypass in the ACOM). The added increase in temperature only occurs when the key line is active and resumes back to normal temps when the mic is unkeyed. This is still far below the heat produced by ops running digital/FSK modes with EBS activated.
> >
> > In fact, this is no different than what occurs with my SBE solid-state amp. When the key line is active about 1 amp of FET PA current is observed and that does produce some heat. The SBE uses no EBS circuit. The heat increase is masked by the amount generated when producing power.
> >
> > To Barry's point, I think bypass of EBS in the ACOM 2000A is arguably more important during a contest when signals are strong and the band is densely packed.
> >
> > Paul, W9AC
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3989. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:01:53 UTC
From: Hans Remeeus
Topic: 3936 Message: 3989

After and during PTT the EBS of my Acom 2000A has three (3) bias levels:
- 72V
- 64V
- 51V

Without PTT it is -122V.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 14:49, Uffe schreef:
> The ACOM EBS system only uses two levels of bias when keyed.
>
> --- In acom-list@yahoogroups.com, "Paul Christensen"<pchristensen@...> wrote:
>> Uffe,
>>
>> But the system uses three level of bias, not two. The larger problem occurs when using VOX and going from full cut-off to level two very quickly. Your point is excellent in that any abrupt change in bias will introduce non-linear distortion.
>>
>> Paul, W9AC
>>
>

[Non-text portions of this message have been removed]

3990. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:02:29 UTC
From: Paul Christensen
Topic: 3936 Message: 3990

I think you mean two levels of bias AFTER the amp is keyed :-)

In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. When using VOX, the amp is quickly transitioning from Class C to Class AB.

-124V at level 1 should represent Class C. I'll stand corrected if it's not.

Paul, W9AC

----- Original Message -----
From: Uffe
To: acom-list@yahoogroups.com
Sent: Wednesday, February 09, 2011 8:49 AM
Subject: [acom-list] Re: EBS bias mod - ACOM 1000

The ACOM EBS system only uses two levels of bias when keyed.

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> Uffe,
>
> But the system uses three level of bias, not two. The larger problem occurs when using VOX and going from full cut-off to level two very quickly. Your point is excellent in that any abrupt change in bias will introduce non-linear distortion.
>
> Paul, W9AC
>

[Non-text portions of this message have been removed]

3991. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:08:14 UTC
From: Paul Christensen
Topic: 3936 Message: 3991

Hans, is that a recent development in amp production? I had thought the 2000A used a total of three bias states.

Paul, W9AC

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com
Sent: Wednesday, February 09, 2011 9:01 AM
Subject: Re: [acom-list] Re: EBS bias mod - ACOM 1000

After and during PTT the EBS of my Acom 2000A has three (3) bias levels:
- 72V
- 64V
- 51V

Without PTT it is -122V.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 14:49, Uffe schreef:
> The ACOM EBS system only uses two levels of bias when keyed.
>
> --- In acom-list@yahoogroups.com, "Paul Christensen"<pchristensen@...> wrote:
>> Uffe,
>>
>> But the system uses three level of bias, not two. The larger problem occurs when using VOX and going from full cut-off to level two very quickly. Your point is excellent in that any abrupt change in bias will introduce non-linear distortion.
>>
>> Paul, W9AC
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>

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[Non-text portions of this message have been removed]

3992. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:08:27 UTC
From: Hans Remeeus
Topic: 3936 Message: 3992

Hello Paul,

You have another EBS circuit than in my 2000A ;-) Mine if from 2004.

Do you really miss the -64V step on your RCU?

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 15:02, Paul Christensen schreef:
> I think you mean two levels of bias AFTER the amp is keyed :-)
>
> In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. When using VOX, the amp is quickly transitioning from Class C to Class AB.
>
> -124V at level 1 should represent Class C. I'll stand corrected if it's not.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

3993. RE: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:10:26 UTC
From: Kees - pa7two
Topic: 3936 Message: 3993

Hi Uffe,

This was exactly what I had in mind too! Set RP2 in slightly higher bias current. That covers the Acom 1000. How about an Acom 1010 gents?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: pa5dd@...
Date: Wed, 9 Feb 2011 13:41:55 +0000
Subject: [acom-list] Re: EBS bias mod - ACOM 1000

Yes, Kees as far as I can see (=disclaimer) you can disable EBS by shortening R11.

This will leave the amplifier with a higher constant idle plate current (220 mA).
Personally I think I am going to set it a bit lower (RP2) like 150 mA.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Hi Uffe,

>

> Thanks for your info. To summaries, the only and only that needs to be done is shorting this resistor in an Acom 1000?

>

> How about a mod for the Acom 1010? Anyone?

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

>

> To: acom-list@yahoogroups.com

> From: pa5dd@...

> Date: Wed, 9 Feb 2011 13:05:39 +0000

> Subject: [acom-list] Re: EBS bias mod - ACOM 1000

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> The ACOM 1000 would indeed appear to have the same circuit. The equivalent of R42 (ACOM2000) to be short-circuited is R11 on the MAINS PCB.

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> 73 Uffe PA5DD

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> --- In acom-list@yahoogroups.com, ZL2AAA <zl2aaa@> wrote:

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> > Hi All As a new member to this group I'am not up with play.Does this EBS also affect the Acom 1000 .Thanks Morrie

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> > Hello George and all,

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>

> > IMHO this is an 'all-version' issue of the Acom 2000A, because all Acom

>

> > 2000A have the EBS built in.

>

> >

>

> > Acom says that it is only heard within 1 or 2 km. from your station,

>

> > when you put a very loud signal on-the-air and the frequency is clear.

>

> > This is what Acom wrote: "ACOM does not recommend introducing this

>

> > modification unless you have EXTREMELY high sound-quality requirements.

>

> > The difference can be detected only at very small distances, under

>

> > 1-2km. Normally you do not need it and all ACOM2000A, ACOM1000, and

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> > ACOM1010 units up to date have been produced without such a

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> > modification.

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3994. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:15:31 UTC
From: Paul Christensen
Topic: 3936 Message: 3994

Hans,

My 2000A was from April, 1999 (purchased through Pekka at FinFet) and it had those three bias states. I had to repair the bias switch, so I became comfortable with the bias operation.

So, perhaps it changed at some point in production? That may explain why some ops are experiencing better or worse EBS effects, depending on the vintage of the amp.

Paul, W9AC

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com
Sent: Wednesday, February 09, 2011 9:08 AM
Subject: Re: [acom-list] Re: EBS bias mod - ACOM 1000

Hello Paul,

You have another EBS circuit than in my 2000A ;-) Mine if from 2004.

Do you really miss the -64V step on your RCU?

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 15:02, Paul Christensen schreef:
> I think you mean two levels of bias AFTER the amp is keyed :-)
>
> In the ACOM 2000A, three-state bias is used. -124V on standby, -75V during plate idling, and -52V when input RF is sensed. When using VOX, the amp is quickly transitioning from Class C to Class AB.
>
> -124V at level 1 should represent Class C. I'll stand corrected if it's not.
>
> Paul, W9AC
>
>

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3995. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:25:40 UTC
From: Hans Remeeus
Topic: 3936 Message: 3995

Hello Paul,

Yes, probably that's the reason why my EBS does produce more distortion.

When my signal is strong on 80 meters (and most of the time it is)
stations in our country clearly hear a 3-stage crunch, not 2.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 15:15, Paul Christensen schreef:
> Hans,
>
> My 2000A was from April, 1999 (purchased through Pekka at FinFet) and it had those three bias states. I had to repair the bias switch, so I became comfortable with the bias operation.
>
> So, perhaps it changed at some point in production? That may explain why some ops are experiencing better or worse EBS effects, depending on the vintage of the amp.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

3996. RE: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 14:54:40 UTC
From: Kees - pa7two
Topic: 3936 Message: 3996

Ohh my god,

"When my signal is strong on 80 meters (and most of the time it is)"
PFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: hans@...
Date: Wed, 9 Feb 2011 15:25:40 +0100
Subject: Re: [acom-list] Re: EBS bias mod - ACOM 1000

Hello Paul,

Yes, probably that's the reason why my EBS does produce more distortion.

When my signal is strong on 80 meters (and most of the time it is)

stations in our country clearly hear a 3-stage crunch, not 2.

73,

Hans Remeeus (PA1HR)

http://www.remeeus.eu

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Communication is about people, the rest is technology.

Op 9-2-2011 15:15, Paul Christensen schreef:

> Hans,

>

> My 2000A was from April, 1999 (purchased through Pekka at FinFet) and it had those three bias states. I had to repair the bias switch, so I became comfortable with the bias operation.

>

> So, perhaps it changed at some point in production? That may explain why some ops are experiencing better or worse EBS effects, depending on the vintage of the amp.

>

> Paul, W9AC

>

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[Non-text portions of this message have been removed]

3997. Re: [acom-list] Re: EBS bias mod - ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-09 17:22:47 UTC
From: Hans Remeeus
Topic: 3936 Message: 3997

Hello Paul and group,

Very interesting page of Tom W8JI! Tom has a very wide and detailed technical knowledge.

Today one of the other ragchewers on 80m wrote me this:
"The rectified RF voltage from your Acom 2000A must beabove the switching point of the Schmitt trigger IC U1B (a 4093B)/. This probably is a few Volts, corresponding with a number of Watts output. That's why we can hearthe crunch on your signal.
Moreover, they arethe same requirements/demands as apply to a good AVC system in a receiver "fast attack slow decay". In the schematics nothing is found on this. The time constant of C43/R40 is not particularlyfast attack and gets even worse by increasing C43! Therefore I think that disabling the EBS in the Acom 2000A is the best option.".

Tomorrow I hope to start with the mod and the installation of the extra fan.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 9-2-2011 14:33, Paul Christensen schreef:
>> Acom says that it is only heard within 1 or 2 km. from your station,
>> when you put a very loud signal on-the-air and the frequency is clear.
> The EBS issue is independent of distance and its effects are most noticeable when receive signal strength is very strong. I typically hear (and see with an SDR-IQ) EBS distortion when signal levels exceed about 20dB/S9.
>
> EBS effects seem most noticeable when the EBS circuit forces the amp into deep Class C during unkeyed idling periods. Even with a fast EBS circuit, the tube still require some time to come out of Class C. Tom, W8JI beautifully sums up the potential EBS "crunch." In particular, look at his paragraph under "Poor Bias Systems."
>
> http://www.w8ji.com/electronic_bias.htm
>
> As he states, these amps would be better placed at the cusp of Class B rather than driven deep into Class C during idle periods. In my opinion, this should be accomplished by the operator to optimize bias as tube characteristics change, replacements, etc. But, most of today's appliance operators do not understand amp bias class. Giving them access to a bias control could be dangerous for the rest of us. However, my understanding is that through a PC terminal connection, the Alpha 8410 allows just that.
>
> To Marty, thanks for the detailed feedback. Your observation almost completely mirrors

what I see with my Alpha 77Dx when it's EBS is bypassed with an internal control pot (the functional equivalent of the R42 bypass in the ACOM). The added increase in temperature only occurs when the key line is active and resumes back to normal temps when the mic is unkeyed. This is still far below the heat produced by ops running digital/FSK modes with EBS activated.
>
> In fact, this is no different than what occurs with my SBE solid-state amp. When the key line is active about 1 amp of FET PA current is observed and that does produce some heat. The SBE uses no EBS circuit. The heat increase is masked by the amount generated when producing power.
>
> To Barry's point, I think bypass of EBS in the ACOM 2000A is arguably more important during a contest when signals are strong and the band is densely packed.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

3998. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 16:31:30 UTC
From: Roger
Topic: 318 Message: 3998

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Barry,
>
> The recording was done by a Flex5000.
>
> My transmission was done with the Yaesu FTdx5000d (35 Watt output) and
> Aom 2000A.
>
>

That audio sounds like overly aggresive noise gating or downward expansion, definitely clipping the intial syllables, and I wouldn't be happy with it either

3999. Re: [acom-list] Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 16:56:10 UTC
From: Hans Remeeus
Topic: 318 Message: 3999

Today I made the modification of the EBS. This was quite simple and
effective.

Installation of the low noise 12 Volt extra fan took more time.

I will publish the photo's with text as soon as possible and let the
group know.

Tomorrow morning my ragchew group will make some new recordings.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 10-2-2011 17:31, Roger schreef:
>
> --- In acom-list@yahoogroups.com, Hans Remeeus<hans@...> wrote:
>>
>> Hello Barry,
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>> The recording was done by a Flex5000.
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>> My transmission was done with the Yaesu FTdx5000d (35 Watt output) and
>> Aom 2000A.
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> That audio sounds like overly aggresive noise gating or downward expansion, definitely
clipping the intial syllables, and I wouldn't be happy with it either
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>

[Non-text portions of this message have been removed]

4000. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 18:05:50 UTC
From: PA4JJ
Topic: 318 Message: 4000

12 V??
In my 1000 it is 24 V.
I have put an old Papst in it. Took me a while to find one for allmost all PC fans are 12 V.
Now looking for a temp. sensor to let the fan be quiet at low temperatures.
And again this has to be a 24 V type, which I did not find yet.

73
Jan
PA4JJ

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Today I made the modification of the EBS. This was quite simple and
> effective.
>
> Installation of the low noise 12 Volt extra fan took more time.
>
> I will publish the photo's with text as soon as possible and let the
> group know.
>
> Tomorrow morning my ragchew group will make some new recordings.
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> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
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> Communication is about people, the rest is technology.
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>
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> Op 10-2-2011 17:31, Roger schreef:
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> > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
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> >> Hello Barry,
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> >
>
>
> [Non-text portions of this message have been removed]
>

4001. Re: [acom-list] Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 18:26:53 UTC
From: Barry N1EU
Topic: 318 Message: 4001

Temperature controlled DC for the fan is available in the Acom - read
EXTFAN.doc in the Group Files section.

Barry N1EU

On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@...> wrote:

>
>
> 12 V??
> In my 1000 it is 24 V.
> I have put an old Papst in it. Took me a while to find one for allmost all
> PC fans are 12 V.
> Now looking for a temp. sensor to let the fan be quiet at low temperatures.
> And again this has to be a 24 V type, which I did not find yet.
>
> 73
> Jan
> PA4JJ
>
>
> --- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
> >
> >
> > Today I made the modification of the EBS. This was quite simple and
> > effective.
> >
> > Installation of the low noise 12 Volt extra fan took more time.
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> > Communication is about people, the rest is technology.
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> >
> > Op 10-2-2011 17:31, Roger schreef:
> > >

> > > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
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> > >> Hello Barry,
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> > >
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> >
> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4002. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 19:03:33 UTC
From: PA4JJ
Topic: 318 Message: 4002

I did but that is for the 2000
And I have a 1000

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Temperature controlled DC for the fan is available in the Acom - read
> EXTFAN.doc in the Group Files section.
>
> Barry N1EU
>
> On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@...> wrote:
>
> >
> >
> > 12 V??
> > In my 1000 it is 24 V.
> > I have put an old Papst in it. Took me a while to find one for allmost all
> > PC fans are 12 V.
> > Now looking for a temp. sensor to let the fan be quiet at low temperatures.
> > And again this has to be a 24 V type, which I did not find yet.
> >
> > 73
> > Jan
> > PA4JJ
> >
> >
> > --- In acom-list@yahoogroups.com, Hans Remeeus <hans@> wrote:
> > >
> > >
> > > Today I made the modification of the EBS. This was quite simple and
> > > effective.
> > >
> > > Installation of the low noise 12 Volt extra fan took more time.
> > >
> > > I will publish the photo's with text as soon as possible and let the
> > > group know.
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> > > Tomorrow morning my ragchew group will make some new recordings.
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> > >
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> > > 73,
> > > Hans Remeeus (PA1HR)
> > > http://www.remeeus.eu
> > > http://www.hansremeeus.nl

> > > Communication is about people, the rest is technology.
> > >
> > >
> > >
> > > Op 10-2-2011 17:31, Roger schreef:
> > > >
> > > > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
> > > >>
> > > >> Hello Barry,
> > > >>
> > > >> The recording was done by a Flex5000.
> > > >>
> > > >> My transmission was done with the Yaesu FTdx5000d (35 Watt output) and
> > > >> Aom 2000A.
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> > > > That audio sounds like overly aggresive noise gating or downward
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> > > > >
> > > > >
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
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> >
> > [Non-text portions of this message have been removed]
> >

4003. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 19:20:53 UTC
From: Uffe
Topic: 318 Message: 4003

The ACOM 1000 has something similar. Use the orange terminals shown on this photo:

http://www.xs4all.nl/~wesselva/acom/acom_switching.jpg

I do not exactly know how the DC varies with temperature. It might just be keyed ON at a specific temperature.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "PA4JJ" <acom@...> wrote:
>
>
> I did but that is for the 2000
> And I have a 1000
>
>
> --- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> >
> > Temperature controlled DC for the fan is available in the Acom - read
> > EXTFAN.doc in the Group Files section.
> >
> > Barry N1EU
> >
> > On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@> wrote:
> >
> > >
> > >
> > > 12 V??
> > > In my 1000 it is 24 V.
> > > I have put an old Papst in it. Took me a while to find one for allmost all
> > > PC fans are 12 V.
> > > Now looking for a temp. sensor to let the fan be quiet at low temperatures.
> > > And again this has to be a 24 V type, which I did not find yet.
> > >
> > > 73
> > > Jan
> > > PA4JJ
> > >
> > >
> > > --- In acom-list@yahoogroups.com, Hans Remeeus <hans@> wrote:
> > > >
> > > >
> > > > Today I made the modification of the EBS. This was quite simple and
> > > > effective.
> > > >
> > > > Installation of the low noise 12 Volt extra fan took more time.

> > > >
> > > > I will publish the photo's with text as soon as possible and let the
> > > > group know.
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> > > > Tomorrow morning my ragchew group will make some new recordings.
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> > > > > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
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> > > > >> Hello Barry,
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> > > > [Non-text portions of this message have been removed]
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> >
> > [Non-text portions of this message have been removed]
> >
>

4004. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 19:28:05 UTC
From: PA4JJ
Topic: 318 Message: 4004

Uffe (and others)

If you read my mail then you should know that I allready have a Fan installed.
And if you read it carefuly you even notice that I use 24 V DC.

The only thing I said that I wondered about the 12V for the Fan, where Hans is talking about.

And I am looking for a temperature controller as the 24 V is allways 24 V in the 1000.

73
Jan
PA4JJ

--- In acom-list@yahoogroups.com, "Uffe" <pa5dd@...> wrote:
>
> The ACOM 1000 has something similar. Use the orange terminals shown on this photo:
>
> http://www.xs4all.nl/~wesselva/acom/acom_switching.jpg
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> I do not exactly know how the DC varies with temperature. It might just be keyed ON at a specific temperature.
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> 73 Uffe PA5DD
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> --- In acom-list@yahoogroups.com, "PA4JJ" <acom@> wrote:
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> > I did but that is for the 2000
> > And I have a 1000
> >
> >
> > --- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@> wrote:
> > >
> > > Temperature controlled DC for the fan is available in the Acom - read
> > > EXTFAN.doc in the Group Files section.
> > >
> > > Barry N1EU
> > >
> > > On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@> wrote:
> > >
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> > > > 12 V??
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> > > > PC fans are 12 V.
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> > > > > [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
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>

4005. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 20:28:41 UTC
From: Uffe
Topic: 318 Message: 4005

The voltage on the orange terminals is temperature controlled.

--- In acom-list@yahoogroups.com, "PA4JJ" <acom@...> wrote:
>
> Uffe (and others)
>
> If you read my mail then you should know that I allready have a Fan installed.
> And if you read it carefuly you even notice that I use 24 V DC.
>
> The only thing I said that I wondered about the 12V for the Fan, where Hans is talking about.
>
>
> And I am looking for a temperature controller as the 24 V is allways 24 V in the 1000.
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> 73
> Jan
> PA4JJ
>
>
>
> --- In acom-list@yahoogroups.com, "Uffe" <pa5dd@> wrote:
> >
> > The ACOM 1000 has something similar. Use the orange terminals shown on this photo:
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> > http://www.xs4all.nl/~wesselva/acom/acom_switching.jpg
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> > I do not exactly know how the DC varies with temperature. It might just be keyed ON at a specific temperature.
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> > 73 Uffe PA5DD
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> > --- In acom-list@yahoogroups.com, "PA4JJ" <acom@> wrote:
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> > > > Barry N1EU

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> > > > On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@> wrote:
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> > > > > > Op 10-2-2011 17:31, Roger schreef:
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> > > > > [Non-text portions of this message have been removed]
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>

4006. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 20:29:39 UTC
From: kamarty456
Topic: 318 Message: 4006

Hans,

the 2000A has a small circuit board on the rear of the amp by the back panel near a small grommet to allow the fan wires access to the inside.

The board supplies 24v and also is set to run the fan on "low speed"
all the time and then when the temperature hits 90c the fan speed is increased. If you place the amp away from the station using the supplied
RCU cable length I think 3 meters the amp is still VERY VERY quiet
and fan noise has never been a challenge.

Oh, be sure the air blows into the amp and not outward.

I suggest you simply purchase a 24v external fan either aftermarket or from ACOM.

Marty KA7GKN

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
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> effective.
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> Installation of the low noise 12 Volt extra fan took more time.
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> Op 10-2-2011 17:31, Roger schreef:
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> > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
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> >
>
>
> [Non-text portions of this message have been removed]
>

4007. 2000A software version

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 20:33:06 UTC
From: kamarty456
Topic: 3600 Message: 4007

My amplifier which was put into operation in September of 2001 has Version 4.5.

You can view what version your amp has by selecting the run hours display. On the top row it will display the software version.

Newer amps indicate Version 5.0 or something else

Anyone know what the differences are? Or if you can easily upgrade
to the newer version? Or is it not really necessary?

Marty KA7GKN

4008. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-10 20:41:13 UTC
From: PA4JJ
Topic: 318 Message: 4008

Are you sure?
When I measured it at start up it showed 24V DC.....

--- In acom-list@yahoogroups.com, "Uffe" <pa5dd@...> wrote:
>
> The voltage on the orange terminals is temperature controlled.
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> --- In acom-list@yahoogroups.com, "PA4JJ" <acom@> wrote:
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> > Uffe (and others)
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> > If you read my mail then you should know that I allready have a Fan installed.
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> > > > > Barry N1EU
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> > > > > On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@> wrote:
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> > > > > > > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
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4009. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-11 08:09:50 UTC
From: Uffe
Topic: 318 Message: 4009

The +24V is wired to 24V, but the -24V is keyed by the signal "fanhi", so it should kick in at 90C.

If you measure with a voltmeter, you might not notice the keying.

I base this on the ACOM 1000 service manual. I have not used an external fan myself.

73 Uffe PA5DD

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4010. Re: [acom-list] Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-11 09:24:41 UTC
From: Hans Remeeus
Topic: 318 Message: 4010

Hello Marty,

Many thanks for your very kind advise!

In the meantime I succesfully installed the 12V fan.

My main target was trying to find a fan which is *as silent as possible*. 12 or 24 Volt was not an issue because of the jumper on the 'air sensor' board.

I did find a very silent fan with only 16 dB(A) sound and 60m3/h airflow. It is the 12 Volt Papst 4412 F2/GLLL IBL (IBL means ichbinleise (= German)) together with four 'Noiseblocker nb-slics' vibration absorbers. It was not very expensive; all together about 25 Euro.

This morning I did some tests with the ragchew group on 80 meters and they all told me that my audio is *significantly* improved after the full EBS-modification.

The extra fan is extremely silent. When I lay my ear on the filter I can hear something, but this is a negligible sound.

I am as happy as you were a few days ago!

Photos say more than a thousand words and I will publish them as soon as possible.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 10-2-2011 21:29, kamarty456 schreef:
> Hans,
>
> the 2000A has a small circuit board on the rear of the amp by the back panel near a small grommet to allow the fan wires access to the inside.
>
> The board supplies 24v and also is set to run the fan on "low speed"
> all the time and then when the temperature hits 90c the fan speed is increased. If you place the amp away from the station using the supplied
> RCU cable length I think 3 meters the amp is still VERY VERY quiet
> and fan noise has never been a challenge.
>
> Oh, be sure the air blows into the amp and not outward.
>

> I suggest you simply purchase a 24v external fan either aftermarket or from ACOM.
>
> Marty KA7GKN
>

[Non-text portions of this message have been removed]

4011. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-11 14:30:19 UTC
From: PA4JJ
Topic: 318 Message: 4011

Uffe and others

I have contacted Acom about this matter and here is what they say:

Orange connector labeled 24 V is only for connection of ext fan
The temperature controller is only to control the internal blower
The speed of external fan cannot be controlled.

Best regards,

Maya Georgieva
Export Manager
ACOM Ltd.

So I was right in the first place.

73
Jan
PA4JJ
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4012. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-11 18:21:43 UTC
From: martin_kh6mb
Topic: 318 Message: 4012

Others,

Concerning the Acom 1000 the schematic shows resistor R61 on sheet 4 of 5 of the MAINS which is 47 ohms 2 watts. This resistor is in series with the external fan which means the external fan will be running all the time at slow speed until the air temperature reaches 90 deg. C at which point resistor R61 will get shunted out by action of the EXTFAN- signal. This will increase the speed of the external fan. Same action as that of the main fan. If one takes a Volt meter across the EXTFAN terminals of JP8 with no fan attached you will read 24 Volts.

- Martin

--- In acom-list@yahoogroups.com, "PA4JJ" <acom@...> wrote:
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> > > > > > > > > > Hans Remeeus (PA1HR)
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> > > > > > > > > > Op 10-2-2011 17:31, Roger schreef:
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> > > > > > > > > > > --- In acom-list@yahoogroups.com, Hans Remeeus<hans@> wrote:
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> > > > > > > > > > >> Hello Barry,

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4013. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-11 18:33:50 UTC
From: PA4JJ
Topic: 318 Message: 4013

Hello Martin
I am sorry to disagree with you.
At least in my Acom 1000 with the serial number 100158 this is not the case. I asked Acom about it and this is the reply:

Orange connector labeled 24 V is only for connection of ext fan
The temperature controller is only to control the internal blower
The speed of external fan cannot be controlled.

Best regards,

Maya Georgieva
Export Manager
ACOM Ltd.

--- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@...> wrote:
>
> Others,
>
> Concerning the Acom 1000 the schematic shows resistor R61 on sheet 4 of 5 of the MAINS which is 47 ohms 2 watts. This resistor is in series with the external fan which means the external fan will be running all the time at slow speed until the air temperature reaches 90 deg. C at which point resistor R61 will get shunted out by action of the EXTFAN- signal. This will increase the speed of the external fan. Same action as that of the main fan. If one takes a Volt meter across the EXTFAN terminals of JP8 with no fan attached you will read 24 Volts.
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> - Martin
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> > Best regards,
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> > Maya Georgieva
> > Export Manager
> > ACOM Ltd.
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> > So I was right in the first place.

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> > 73
> > Jan
> > PA4JJ
> > --- In acom-list@yahoogroups.com, "Uffe" <pa5dd@> wrote:
> > >
> > > The +24V is wired to 24V, but the -24V is keyed by the signal "fanhi", so it should kick in at 90C.
> > >
> > > If you measure with a voltmeter, you might not notice the keying.
> > >
> > > I base this on the ACOM 1000 service manual. I have not used an external fan myself.
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> > > 73 Uffe PA5DD
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> > > > --- In acom-list@yahoogroups.com, "Uffe" <pa5dd@> wrote:
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> > > > > --- In acom-list@yahoogroups.com, "PA4JJ" <acom@> wrote:
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> > > > > > If you read my mail then you should know that I allready have a Fan installed.
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> > > > > > The only thing I said that I wondered about the 12V for the Fan, where Hans is talking about.
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> > > > > > And I am looking for a temperature controller as the 24 V is allways 24 V in the 1000.
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> > > > > > --- In acom-list@yahoogroups.com, "Uffe" <pa5dd@> wrote:
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> > > > > > > The ACOM 1000 has something similar. Use the orange terminals shown on this photo:
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> > > > > > > http://www.xs4all.nl/~wesselva/acom/acom_switching.jpg
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> > > > > > > > > > Temperature controlled DC for the fan is available in the Acom - read
> > > > > > > > > > EXTFAN.doc in the Group Files section.
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> > > > > > > > > > Barry N1EU
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> > > > > > > > > > On Thu, Feb 10, 2011 at 6:05 PM, PA4JJ <acom@> wrote:
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> > > > > > > > > > >
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> > > > > > > > > > > 12 V??
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> > > > > > > > > > > I have put an old Papst in it. Took me a while to find one for allmost all
> > > > > > > > > > > PC fans are 12 V.
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4014. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-11 19:26:33 UTC
From: martin_kh6mb
Topic: 318 Message: 4014

It is okay to disagree Hi. I am hoping that the schematic information that Acom is releasing is correct. Perhaps it would be wise for us all to confirm the presence of R61, it's value and some of the signal paths associated with this issue. The schematic clearly shows on sheet 4 of 7 of the CONTROL board the same signal, FANHI, controlling both the speed of the main and aux. fan. The main fan has an additional control line, FANON, to turn on through again a 47 ohm 2W resistor R44. This resistor also gets shunted out by FANHI to apply full power to the main fan.

Are there different versions of the schematic covering a particular series of serial numbers ? The serial number of my Acom 1000 is 090282 which would appear to be a later model but this assumes sequential numbering.

Can someone from Acom verify the accuracy of the Acom 1000 schematics that they have released ? Are they correct or not in this case ?

- Martin

--- In acom-list@yahoogroups.com, "PA4JJ" <acom@...> wrote:
>
> Hello Martin
> I am sorry to disagree with you.
> At least in my Acom 1000 with the serial number 100158 this is not the case. I asked Acom about it and this is the reply:
>
> Orange connector labeled 24 V is only for connection of ext fan
> The temperature controller is only to control the internal blower
> The speed of external fan cannot be controlled.
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> Best regards,
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> Maya Georgieva
> Export Manager
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> > Others,
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> > Concerning the Acom 1000 the schematic shows resistor R61 on sheet 4 of 5 of the MAINS which is 47 ohms 2 watts. This resistor is in series with the external fan which means the external fan will be running all the time at slow speed until the air temperature reaches 90 deg. C at which point resistor R61 will get shunted out by action of the EXTFAN- signal. This will increase the speed of the external fan. Same action as that of the main fan. If one takes a Volt meter across the EXTFAN terminals of JP8 with no fan attached you will read 24 Volts.
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4015. schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-12 02:30:47 UTC
From: ZL2AAA
Topic: 4015 Message: 4015

Hi All My Acom 1000 was purchased in July 2004 and apart from a choke in the grid going open shortly after purchase, has operated satisfactorily apart from the 18mhz band requiring very little plate capacitance.(Is there a known cure for this?)
I think at this time in it's life it would be good insurance to have a schematic on hand in case of problems.Is there somewhere a schematic can be downloaded on the internet?
If you only have one hacksaw blade it will surely break but with a spare you will wear it out.Thanks Morrie

4016. Re: schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-12 02:56:40 UTC
From: martin_kh6mb
Topic: 4015 Message: 4016

Morrie,

I just uploaded the Acom 1000_Sch.pdf file to the Files section. Not sure what to say about the 18 MHz issue you have except on my amplifier the Tune capacitor is near maximum 90 and Load is 75 which seems normal.

- Martin

--- In acom-list@yahoogroups.com, ZL2AAA <zl2aaa@...> wrote:
>
> Hi All My Acom 1000 was purchased in July 2004 and apart from a choke in the
> grid going open shortly after purchase, has operated satisfactorily apart
> from the 18mhz band requiring very little plate capacitance.(Is there a
> known cure for this?)
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> schematic on hand in case of problems.Is there somewhere a schematic can be
> downloaded on the internet?
> If you only have one hacksaw blade it will surely break but with a spare you
> will wear it out.Thanks Morrie
>

4017. Re: [acom-list] Re: schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-12 03:00:23 UTC
From: Paul M Dunphy
Topic: 4015 Message: 4017

At 10:56 PM 2/11/2011, you wrote:
>Morrie,
>
>I just uploaded the Acom 1000_Sch.pdf file to the Files section. Not
>sure what to say about the 18 MHz issue you have except on my
>amplifier the Tune capacitor is near maximum 90 and Load is 75 which
>seems normal.
>
>- Martin

I see ~90 (Tune) and ~65 (Load) and this seems normal to me as well.

73, Paul VE1DX

4018. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-12 03:36:13 UTC
From: kamarty456
Topic: 318 Message: 4018

Evening Hans...

I'd be very interested to see how your 2000Ac temperatures changed after the modification.

I have been on air now three days and although I may hit 90c at times,
the amplifier cools down quickly and I'm not going to over react.

I do need to verify my external fan is blowing INTO the amp
I think I installed it correctly, but I will still verify it.

Thanks again for your excellent EBS file.

Marty KA7GKN

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Today I made the modification of the EBS. This was quite simple and
> effective.
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> Installation of the low noise 12 Volt extra fan took more time.
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> >> Hello Barry,
> >>
> >> The recording was done by a Flex5000.
> >>
> >> My transmission was done with the Yaesu FTdx5000d (35 Watt output) and

> >> Aom 2000A.
> >>
> >>
> > That audio sounds like overly aggresive noise gating or downward expansion, definitely clipping the intial syllables, and I wouldn't be happy with it either
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

4019. Re: [acom-list] Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-12 09:50:36 UTC
From: Hans Remeeus
Topic: 318 Message: 4019

Hello Marty,

This weekend (12:00z-12:00z) I will participate in the 24-hours
PACC-contest, so this is a very good test!

Monday I will let you know and hope to send you the link to all the
photo's of the EBS-modification and installation of the optional fan.

Nice weekend!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 12-2-2011 4:36, kamarty456 schreef:
> Evening Hans...
>
> I'd be very interested to see how your 2000Ac temperatures changed after the
modification.
>
> I have been on air now three days and although I may hit 90c at times,
> the amplifier cools down quickly and I'm not going to over react.
>
> I do need to verify my external fan is blowing INTO the amp
> I think I installed it correctly, but I will still verify it.
>
> Thanks again for your excellent EBS file.
>
>
> Marty KA7GKN
>

[Non-text portions of this message have been removed]

4020. schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-12 20:33:03 UTC
From: ZL2AAA
Topic: 4015 Message: 4020

Thanks to those for the schematics.
As for the problem with the tuning on 18mhz I misread the ends of the dial
it does tune at the Max end.Senility creeping in.Morrie

4022. Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 09:32:08 UTC
From: Hans Remeeus
Topic: 4022 Message: 4022

Hello Group,

This morning I saved the file of the recording after the EBS mod.

People who know my signal and audio on 80 meters all tell me that my audio is *significantly* improved after I made the EBS-modification. The difference is big!

You can hear it yourself:

audio/ PA1HR after the EBS mod 15-feb-2011
<http://f1.grp.yahoofs.com/v1/EJJbTZ76cgigGi0tMAtqKR6keY5Zhb67SrOeKuzS5wc_HAbOEzTy5UyhPxDPwhlOdGJuzV-sm__bqzCTIL0uIdX7sQ/EBS%20and%20Bias%20crunch%20mod/PA1HR%20after%20EBS%20mod%20%2015-feb-2011>

PA1HR after the EBS mod 15-feb-2011 EBS and Bias crunch after the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference between the recording before and after the EBS mod! Recording is made with Flex5000 SDR on February 15th 2011. My exciter is the Yaesu FTdx5000d in Class A.

audio/ PA1HR before the EBS mod 08-feb-2011
<http://f1.grp.yahoofs.com/v1/EJJbTVEOXAegGi0t1pA0ZMQPjwwNpTExboqTPYu-81jnEbwHOBUO5GN2olNCH3EaCUBq5DNIydHr8zQe9nKNx4hFjQ/EBS%20and%20Bias%20crunch%20mod/PA1HR%20before%20the%20EBS%20mod%2008-feb-2011>

EBS and Bias crunch before the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference. Without the processor the Bias Crunch is very good readable. With processor the Bias crunch is still there, but not so significant. Recording is made with Flex5000 SDR on February 8th 2011. My exciter is the Yaesu FTdx5000d in Class A.

I published the photo's and text on my internetsite:
*http://tinyurl.com/6h2q7ak
Please note that this is a *temporarily* link and should not be saved/bookmarked for later purposes.
As soon as I have the final link I will inform the group about it.

*

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu

http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

4023. Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 09:36:45 UTC
From: PA4JJ
Topic: 4022 Message: 4023

Hans,
de eerste link werkt niet

Jan PA4JJ

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Group,
>
> This morning I saved the file of the recording after the EBS mod.
>
> People who know my signal and audio on 80 meters all tell me that my
> audio is *significantly* improved after I made the EBS-modification. The
> difference is big!
>
> You can hear it yourself:
>
> audio/ PA1HR after the EBS mod 15-feb-2011
> <http://f1.grp.yahoofs.com/v1/EJJbTZ76cgigGi0tMAtqKR6keY5Zhb67SrOeKuzS5wc_HAbOEzTy5UyhPxDPwhlOdGJuzV-sm__bqzCTIL0uIdX7sQ/EBS%20and%20Bias%20crunch%20mod/PA1HR%20after%20EBS%20mod%20%2015-feb-2011>
>
> PA1HR after the EBS mod 15-feb-2011 EBS and Bias crunch after the
> modification. First part of the recording is without the processor and
> the second half of the recording is with processor switched on. You will
> hear a significant difference between the recording before and after the
> EBS mod! Recording is made with Flex5000 SDR on February 15th 2011. My
> exciter is the Yaesu FTdx5000d in Class A.
>
>
>
>
> audio/ PA1HR before the EBS mod 08-feb-2011
> <http://f1.grp.yahoofs.com/v1/EJJbTVEOXAegGi0t1pA0ZMQPjwwNpTExboqTPYu-81jnEbwHOBUO5GN2olNCH3EaCUBq5DNIydHr8zQe9nKNx4hFjQ/EBS%20and%20Bias%20crunch%20mod/PA1HR%20before%20the%20EBS%20mod%2008-feb-2011>
>
> EBS and Bias crunch before the modification. First part of the recording
> is without the processor and the second half of the recording is with
> processor switched on. You will hear a significant difference. Without
> the processor the Bias Crunch is very good readable. With processor the
> Bias crunch is still there, but not so significant. Recording is made
> with Flex5000 SDR on February 8th 2011. My exciter is the Yaesu
> FTdx5000d in Class A.

>
>
> I publised the photo's and text on my internetsite:
> *http://tinyurl.com/6h2q7ak
> Please note that this is a *temporarily* link and should not be
> saved/bookmarked for later purposes.
> As soon as I have the final link I will inform the group about it.
>
> *
>
> --
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
>
> [Non-text portions of this message have been removed]
>

4024. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 09:52:46 UTC
From: Hans Remeeus
Topic: 4022 Message: 4024

Again:

Recording before the EBS mod:
http://tinyurl.com/66prm3v

Recording after the EBS mod:
http://tinyurl.com/65lfteu

Temporarily link of the photo's and text of the EBS mod:
http://tinyurl.com/6h2q7ak

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 10:36, PA4JJ schreef:
> Hans,
> de eerste link werkt niet
>
> Jan PA4JJ
>

[Non-text portions of this message have been removed]

4025. Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 09:56:46 UTC
From: PA4JJ
Topic: 4022 Message: 4025

Amazing difference..

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Again:
>
> Recording before the EBS mod:
> http://tinyurl.com/66prm3v
>
> Recording after the EBS mod:
> http://tinyurl.com/65lfteu
>
> Temporarily link of the photo's and text of the EBS mod:
> http://tinyurl.com/6h2q7ak
>
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 16-2-2011 10:36, PA4JJ schreef:
> > Hans,
> > de eerste link werkt niet
> >
> > Jan PA4JJ
> >
>
>
> [Non-text portions of this message have been removed]
>

4026. Re: [acom-list] Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 10:46:10 UTC
From: Fernando EC1CT
Topic: 4022 Message: 4026

Hi Hans,
Could you please upload the files to youtube????....I got some problems to listen to them on the yahoo platform. Thank you. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Hans Remeeus
Sent: Wednesday, February 16, 2011 10:32 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Recording before and after the EBS mod

Hello Group,

This morning I saved the file of the recording after the EBS mod.

People who know my signal and audio on 80 meters all tell me that my audio is *significantly* improved after I made the EBS-modification. The difference is big!

You can hear it yourself:

audio/ PA1HR after the EBS mod 15-feb-2011
<http://f1.grp.yahoofs.com/v1/EJJbTZ76cgigGi0tMAtqKR6keY5Zhb67SrOeKuzS5wc_HAbOEzTy5UyhPxDPwhlOdGJuzV-sm__bqzCTIL0uIdX7sQ/EBS%20and%20Bias%20crunch%20mod/PA1HR%20after%20EBS%20mod%20%2015-feb-2011>

PA1HR after the EBS mod 15-feb-2011 EBS and Bias crunch after the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference between the recording before and after the EBS mod! Recording is made with Flex5000 SDR on February 15th 2011. My exciter is the Yaesu FTdx5000d in Class A.

audio/ PA1HR before the EBS mod 08-feb-2011
<http://f1.grp.yahoofs.com/v1/EJJbTVEOXAegGi0t1pA0ZMQPjwwNpTExboqTPYu-81jnEbwHOBUO5GN2olNCH3EaCUBq5DNIydHr8zQe9nKNx4hFjQ/EBS%20and%20Bias%20crunch%20mod/PA1HR%20before%20the%20EBS%20mod%2008-feb-2011>

EBS and Bias crunch before the modification. First part of the recording is without the processor and the second half of the recording is with processor switched on. You will hear a significant difference. Without the processor the Bias Crunch is very good readable. With processor the Bias crunch is still there, but not so significant. Recording is made with Flex5000 SDR on February 8th 2011. My exciter is the Yaesu FTdx5000d in Class A.

I publised the photo's and text on my internetsite:
*http://tinyurl.com/6h2q7ak
Please note that this is a *temporarily* link and should not be
saved/bookmarked for later purposes.
As soon as I have the final link I will inform the group about it.

*

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1204 / Base de datos de virus: 1435/3446 - Fecha de la versión: 15/02/2011

[Non-text portions of this message have been removed]

4027. Re: [acom-list] Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 10:56:19 UTC
From: Hans Remeeus
Topic: 4022 Message: 4027

Hello Fernando,

I will try; never done this before ;-)

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 11:46, Fernando EC1CT schreef:
> Hi Hans,
> Could you please upload the files to youtube????....I got some problems to listen to them on the yahoo platform. Thank you. 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>

[Non-text portions of this message have been removed]

4028. Re: [acom-list] Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 11:30:27 UTC
From: Hans Remeeus
Topic: 4022 Message: 4028

Hello Fernando,

YouTube only accepts .avi, .mpg, .wmv, or .mov formats and no .mp3 :-(

I will send you the files directly to your e-mail address.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 11:46, Fernando EC1CT schreef:
> Hi Hans,
> Could you please upload the files to youtube????....I got some problems to listen to them on the yahoo platform. Thank you. 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>

[Non-text portions of this message have been removed]

4029. Re: [acom-list] Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 12:30:54 UTC
From: Fernando EC1CT
Topic: 4022 Message: 4029

Okay, I got them Hans. Thank you very much indeed. Will have a look...73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Hans Remeeus
Sent: Wednesday, February 16, 2011 12:30 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Recording before and after the EBS mod

Hello Fernando,

YouTube only accepts .avi, .mpg, .wmv, or .mov formats and no .mp3 :-(

I will send you the files directly to your e-mail address.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 11:46, Fernando EC1CT schreef:
> Hi Hans,
> Could you please upload the files to youtube????....I got some problems to listen to them on the yahoo platform. Thank you. 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>

[Non-text portions of this message have been removed]

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1204 / Base de datos de virus: 1435/3446 - Fecha de la versión: 15/02/2011

[Non-text portions of this message have been removed]

4030. RE: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 13:08:07 UTC
From: BMarton
Topic: 4022 Message: 4030

I am unable to hear anything once again.. Only getting a message that the link is broken

Bruce K1XR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of PA4JJ
Sent: Wednesday, February 16, 2011 4:57 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Recording before and after the EBS mod

Amazing difference..

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , Hans Remeeus <hans@...> wrote:
>
>
> Again:
>
> Recording before the EBS mod:
> http://tinyurl.com/66prm3v
>
> Recording after the EBS mod:
> http://tinyurl.com/65lfteu
>
> Temporarily link of the photo's and text of the EBS mod:
> http://tinyurl.com/6h2q7ak
>
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 16-2-2011 10:36, PA4JJ schreef:
> > Hans,
> > de eerste link werkt niet
> >
> > Jan PA4JJ
> >

>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4031. RE: [acom-list] Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 13:10:42 UTC
From: BMarton
Topic: 4022 Message: 4031

Hans could you please e mail me the before and after files too?

desengin@...

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hans Remeeus
Sent: Wednesday, February 16, 2011 6:30 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Recording before and after the EBS mod

Hello Fernando,

YouTube only accepts .avi, .mpg, .wmv, or .mov formats and no .mp3 :-(

I will send you the files directly to your e-mail address.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 11:46, Fernando EC1CT schreef:
> Hi Hans,
> Could you please upload the files to youtube????....I got some problems to listen to them on the yahoo platform. Thank you. 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@... <mailto:ec1ct%40esbesaya.com>
> KR DX Group
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4032. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 13:14:52 UTC
From: Hans Remeeus
Topic: 4022 Message: 4032

You've got mail ;-)

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 14:08, BMarton schreef:
> I am unable to hear anything once again.. Only getting a message that the
> link is broken
>
>
>
> Bruce K1XR
>
>

[Non-text portions of this message have been removed]

4033. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 13:25:48 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4033

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /EBS and Bias crunch mod/Acom 2000A measurements 160211.pdf
Uploaded by : pa1hr <hans@...>
Description : Measurements of the Acom 2000A before and after the EBS modification

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/Acom%202000A%20measurements%20160211.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

pa1hr <hans@...>

4034. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 13:48:17 UTC
From: LA7SL Nils Petter
Topic: 4022 Message: 4034

You should check the setup in your PC...
Link works OK here on 4 different PC's
in the house...
First of all: log in to the group and go to
the files section. Then click on the file there.
If still nothing check that you have a mp3 compatible
media player and plugin in the PC. Windows media
player, winamp, and most if not all players are compatible.
Try to reinstall the player if still nothing.
If running Linux same thing applies.
The audio difference before and after ebs mod is amazing !!
This mod is a MUST for the audiophile. For me it is completely
a waste of time. My hobby is communication, not hi-fi :-)
But that is me. Others may find this mod VERY useful !
But it puts a heavier load on the tubes AND other circuits in the amp.
Doing this to a PA still under warranty may be expensive !!
Peter
----- Original Message -----
From: BMarton
To: acom-list@yahoogroups.com
Sent: Wednesday, February 16, 2011 2:08 PM
Subject: RE: [acom-list] Re: Recording before and after the EBS mod

I am unable to hear anything once again.. Only getting a message that the
link is broken

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of PA4JJ
Sent: Wednesday, February 16, 2011 4:57 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Recording before and after the EBS mod

Amazing difference..

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , Hans
Remeeus <hans@...> wrote:
>
>
> Again:
>
> Recording before the EBS mod:
> http://tinyurl.com/66prm3v

>
> Recording after the EBS mod:
> http://tinyurl.com/65lfteu
>
> Temporarily link of the photo's and text of the EBS mod:
> http://tinyurl.com/6h2q7ak
>
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 16-2-2011 10:36, PA4JJ schreef:
> > Hans,
> > de eerste link werkt niet
> >
> > Jan PA4JJ
> >
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4035. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 15:00:51 UTC
From: Hans Remeeus
Topic: 4022 Message: 4035

Hello Peter,

Today I uploaded measurements on the 2000A before and after the EBS mod.
So you can see what is the influence of the mod on the working
conditions of the linear.

IMHO the differences in the load of the amplifier are not as much as we
would expect. The same opinion I hear a from ham-friend in Germany who
made the mod more than two years ago.

I don't believe that operators will push PTT for a couple of minutes or
more, without saying something in the microphone. In terms of load the
only difference of the mod is *between* moments of voice transmissions
while pushing PTT. When you use VOX operation there will be a
negligibledifference, depending on the settings of the VOX (such as
delay etc.).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 14:48, LA7SL Nils Petter schreef:
> You should check the setup in your PC...
> Link works OK here on 4 different PC's
> in the house...
> First of all: log in to the group and go to
> the files section. Then click on the file there.
> If still nothing check that you have a mp3 compatible
> media player and plugin in the PC. Windows media
> player, winamp, and most if not all players are compatible.
> Try to reinstall the player if still nothing.
> If running Linux same thing applies.
> The audio difference before and after ebs mod is amazing !!
> This mod is a MUST for the audiophile. For me it is completely
> a waste of time. My hobby is communication, not hi-fi :-)
> But that is me. Others may find this mod VERY useful !
> But it puts a heavier load on the tubes AND other circuits in the amp.
> Doing this to a PA still under warranty may be expensive !!
> Peter
>

[Non-text portions of this message have been removed]

4036. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 15:50:09 UTC
From: LA7SL Nils Petter
Topic: 4022 Message: 4036

Hello Hans !
What you say appears to be correct as long as we only consider
SSB/voice . However, my amp is also used extensively for CW.
In CW the picture is completely different. Without the mod the amp
will "rest" between "dits and daahs" IF the designer applied the correct time constants....
and I think he did....
WITH the mod the amp will draw full bias current all the time unless you want
to kill your expensive output vacuum relay running QSK all the time......
1 million cycles is a number easily reached in a surprisingly short time running
QSK.
Try to draw a correctly timed "time lapse" picture of a typical CW transmission
and then calculate the excess power (heat) generated in % because of this mod !
My conclusion : At 1500 watts CW out these tubes are already pushed quite hard.
The "4CX800 " type number stated by Svetlana is not correct. It should have been
4CX600 -- if anything.... but really it has nothing to do with Eimacs patented
3X and 4X series tubes. The production spread is also dramatic...meaning that
specs and quality varies a lot between production batches.
IF you are going to use this amp for CW and you want to mod it you need to either:
A : Be able to switch this mod out and in
or
B : Stay below 1 KW out.
This is my opinion at least.
I have installed the aux fan in my 2000,- it still gets pretty hot after 48 hours of CW
contesting.
Without the mod...
But,- as i said earlier the difference is remarkable in high quality SSB (ESSB).
BUT it comes at a price...
While I am at it : The Acom 2000A can be pushed to nearly 2400 watts PEP or CW
with fresh tubes, good line regulation and correct settings.
DO NOT DO IT !!! Stay at MAX 1500w ! Exceeding this will dramatically shorten the tube life
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Running 2KW out may reduce tube life 70 %. And despite the fact that
tubes are still easily obtainable, they are expensive if you want well matched and
preconditioned tubes. I have tried several "NOS" sources and what I got was
a lot of junk. Somebody makes easy money out there :-)
I have a total of 6 "superb" NOS tubes around here...completely out of specs.
I then tried Vine antennas in the UK... and got fine tubes,- at last.
The Acom 2000A is a very well designed and engineered 1500w amp with some headroom...
But as a 2KW out amp it has some shortcomings...
My license is only valid for 1000W out, so for me this is a premium amp :-)
Peter

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com

Sent: Wednesday, February 16, 2011 4:00 PM
Subject: Re: [acom-list] Re: Recording before and after the EBS mod

Hello Peter,

Today I uploaded measurements on the 2000A before and after the EBS mod.
So you can see what is the influence of the mod on the working
conditions of the linear.

IMHO the differences in the load of the amplifier are not as much as we
would expect. The same opinion I hear a from ham-friend in Germany who
made the mod more than two years ago.

I don't believe that operators will push PTT for a couple of minutes or
more, without saying something in the microphone. In terms of load the
only difference of the mod is *between* moments of voice transmissions
while pushing PTT. When you use VOX operation there will be a
negligibledifference, depending on the settings of the VOX (such as
delay etc.).

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
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Op 16-2-2011 14:48, LA7SL Nils Petter schreef:
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> a waste of time. My hobby is communication, not hi-fi :-)
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> Doing this to a PA still under warranty may be expensive !!
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[Non-text portions of this message have been removed]

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4037. Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 16:43:55 UTC
From: kamarty456
Topic: 4022 Message: 4037

For those of you concerned about running other modes that would
appreciate the EBS circuit like CW etc.

It is not written in stone that you can only have the EBS one way or
another..Simply add a SPST [single pole single throw] toggle switch
Use a shielded cable and route it to the rear of the amp or simply drill a small hole in
the front panel and install it.

Then you can select EBS on/off as you desire.

Remember, when I started this discussion I specifically indicated I
only run fidelity SSB!!! I do not run and digital modes!

So don't get upset with me or Hans' excellent technical information to help others who want
to disable the EBS system.

Also the parameter information is unit specific! You amplifier will have different values!
Close maybe, but still different so don't get
all bent out of shape and start screaming!

For example Hans' 2000A shows 15.5db of gain my amplifier shows 14-14.5db of gain.
My mains voltage is 245-247 his are 225-231
Use the parameters as a guide to determine the condition of your amplifier. His parameters
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> to kill your expensive output vacuum relay running QSK all the time.....
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> ----- Original Message -----
> From: Hans Remeeus
> To: acom-list@yahoogroups.com
> Sent: Wednesday, February 16, 2011 4:00 PM
> Subject: Re: [acom-list] Re: Recording before and after the EBS mod
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4038. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 16:54:14 UTC
From: LA7SL Nils Petter
Topic: 4022 Message: 4038

I am not bent out of shape and screaming :-)
I appreciated the mod info and I stated
also that the difference in fidelity is amazing.
Please do not see my comments as an attack !
It was not intended that way. I was just discussing
this from a technical point of view. It is sometimes
useful to consider all sides - also possibly negative
ones. The solution is as you say to install a switch.
Or as I said (direct copy) :
A : Be able to switch this mod out and in
or
B : Stay below 1 KW out.

So...we agree ! :-)
Cheers !
Peter

----- Original Message -----
From: kamarty456
To: acom-list@yahoogroups.com
Sent: Wednesday, February 16, 2011 5:43 PM
Subject: [acom-list] Re: Recording before and after the EBS mod

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Use a shielded cable and route it to the rear of the amp or simply drill a small hole in
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> From: Hans Remeeus
> To: acom-list@yahoogroups.com
> Sent: Wednesday, February 16, 2011 4:00 PM

> Subject: Re: [acom-list] Re: Recording before and after the EBS mod
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4039. Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 17:20:56 UTC
From: kamarty456
Topic: 4022 Message: 4039

Hi Peter,
I was not looking at you. you have added to the discussion.

Be aware there are many folks out there that should not be allowed to use tools! I will bet as more folks become aware of the EBS circuit
pros and cons, leave alone or disable, someone is going to make an error or abuse the amplifier and return here screaming that it's our fault he damaged his amplifier!

Keep in mind modifying anything inside the 2000A or any other ACOM
product immediately voids their warranty!!!!
Remember in the early discussion Bob at Array Solutions indicated this is not an authorized modification by ACOM and they will not support it either.

In fact the majority of other amplifier manufacturers do not encourage the modification of their EBS type circuits.

I won't parrot the early information but again warn those who are not competent to avoid doing this modification. 90% of most hams and those that simply contest, DX, and run lots of speech processing and run 300-3500 bandwidth won't have a clue that the bias crunch is there. They will assume it's QRM or band noise! Those only running digital modes don't need to worry about the EBS circuit.

Marty KA7GKN

--- In acom-list@yahoogroups.com, "LA7SL Nils Petter" <la7sl@...> wrote:
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> So...we agree ! :-)
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> ----- Original Message -----
> From: kamarty456
> To: acom-list@yahoogroups.com

> Sent: Wednesday, February 16, 2011 5:43 PM
> Subject: [acom-list] Re: Recording before and after the EBS mod
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4040. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 17:35:14 UTC
From: Paul Christensen
Topic: 4022 Message: 4040

> 1 million cycles is a number easily reached in a surprisingly short time running QSK.

Perhaps I'm living a charmed life. The Jennings RF1 vacuum relay in my Alpha 70V is now 41 years old and has been QSK-switched most of its life. I think the 1 million operation parameter is very conservative for a vacuum relay, provided it is not hot-switched. By contrast, some of the newer sealed frame relays are rated for 10 million + operations. Nice, but I'll still take the vacuum relay for RF switching.

The ACOM 2000A uses an RJ1 (or equivalent) vacuum relay and the amp also includes excellent protection circuitry from hot-switching. Me, I would let the amp switch in QSK and not worry about relay replacement. Sure, there will be instances where the relay will fail, but without knowing the exact failure mode, it may have failed anyway with -- or without extensive QSK switching.

Paul, W9AC

[Non-text portions of this message have been removed]

4041. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 17:47:33 UTC
From: Hans Remeeus
Topic: 4022 Message: 4041

Hello Peter,

Last weekend (after the EBS mod) I participated the 24-hours PACC contest, with 1,400 QSO's. Not full, but about half QSK. I did not notice more heat than I had before the EBS mod. Regularly I felt the airflow coming from both the tubes, but again no more heat that during other contests. The maximum measured temperature of both the tubes was 64 degrees C.

IMHO there is no extensive heat at all, after the EBS mod. After last weekend I am completely convinced and reassured :-) :-)

I considered a SPST at the rear panel of the linear amplifier to toggle the EBS on/off. I would do this when I only got the feeling that there is more heat, but (so far) there is none.

For 100% I agree with you that we should *never* push the Acom 2000A in any way. Not with special settings of the transformer, not with the exciter drive power, not with anything. Actually I would never ever exceed 1,500 Watt output power. You must know that in our country "only" 400 Watt output is allowed, so we have a very clear limit through our regulations. For me the choice for the Acom 2000A is particularly based on the A of Automatic. During contests this excellent and lightingfast feature (together with the antennas) is of much more value than a few hundred Watts more output power.

So keeping the output power below 1,000 Watt with peaks of 1,500 Watt is an excellent advise! Nobody will notice the last few dB, only the amplifier will...

73,
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LA7SL Nils Petter wrote:
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> > IF you are going to use this amp for CW and you want to mod it you need to either:
> > A : Be able to switch this mod out and in
> > or
> > B : Stay below 1 KW out.
> > This is my opinion at least.
> > I have installed the aux fan in my 2000,- it still gets pretty hot after 48 hours of CW contesting.
> > Without the mod...
> > But,- as i said earlier the difference is remarkable in high quality SSB (ESSB).
> > BUT it comes at a price...
> > While I am at it : The Acom 2000A can be pushed to nearly 2400 watts PEP or CW
> > with fresh tubes, good line regulation and correct settings.
> > DO NOT DO IT !!! Stay at MAX 1500w ! Exceeding this will dramatically shorten the tube life !
> > Running 2KW out may reduce tube life 70 %. And despite the fact that
> > tubes are still easily obtainable, they are expensive if you want well matched and
> > preconditioned tubes. I have tried several "NOS" sources and what I got was
> > a lot of junk. Somebody makes easy money out there :-)
> > I have a total of 6 "superb" NOS tubes around here...completely out of specs.
> > I then tried Vine antennas in the UK... and got fine tubes,- at last.
> > The Acom 2000A is a very well designed and engineered 1500w amp with some headroom...
> > But as a 2KW out amp it has some shortcomings...
> > My license is only valid for 1000W out, so for me this is a premium amp :-)
> > Peter
> >
>

[Non-text portions of this message have been removed]

4042. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 17:59:04 UTC
From: LA7SL Nils Petter
Topic: 4022 Message: 4042

You are living a charmed life :-)
The Jennings RJ1A is rated at a mechanical
life of 2 million switch cycles by the manufacturer...
as is Gigavac GH1 and Jennings RF1 .
Well,- I admit 2 is more than one...but still....
It depends on how active you are . Here we run
many 48 hour contests every season...so for us
at LA8W / LN8W this is an important consideration.
http://www.gigavac.com/products/relays/jennings/index.htm
Peter

----- Original Message -----
From: Paul Christensen
To: acom-list@yahoogroups.com
Sent: Wednesday, February 16, 2011 6:35 PM
Subject: Re: [acom-list] Re: Recording before and after the EBS mod

> 1 million cycles is a number easily reached in a surprisingly short time running QSK.

Perhaps I'm living a charmed life. The Jennings RF1 vacuum relay in my Alpha 70V is now 41 years old and has been QSK-switched most of its life. I think the 1 million operation parameter is very conservative for a vacuum relay, provided it is not hot-switched. By contrast, some of the newer sealed frame relays are rated for 10 million + operations. Nice, but I'll still take the vacuum relay for RF switching.

The ACOM 2000A uses an RJ1 (or equivalent) vacuum relay and the amp also includes excellent protection circuitry from hot-switching. Me, I would let the amp switch in QSK and not worry about relay replacement. Sure, there will be instances where the relay will fail, but without knowing the exact failure mode, it may have failed anyway with -- or without extensive QSK switching.

Paul, W9AC

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4043. Re: [acom-list] Re: Recording before and after the EBS mod

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 18:31:25 UTC
From: LA7SL Nils Petter
Topic: 4022 Message: 4043

Thanks for the info on this Hans !
I really expected more heat--especially in CW.
As Marty pointed out this mod should not be attempted
by someone without good skills in electronics...
You have that,- but others reading this may not have.
The control board with the EBS is, at least in my amp,
behind the front panel... it is very crowded and there is
a large number of static sensitive components on it.
The processor board is directly connected to it and mounted
in a shielded enclosure behind the control board. It is easy
to destroy processor components working with the control board.
I blew up the EPROM by accidentally shorting two points on the
control board. They were less than 1/32 inch apart...
Acom Bulgaria provided me with a new one in a few days...but anybody
attempting this mod should have excellent eyesight and calm hands :-)
I did not do this mod at that time, I had other problems. One of those
"superb NOS tubes" I mentioned before had an internal short between
G1 and G2. Murphy had a lucky day and before the protections got
time to react I lost 3 transistors in the G2 supply / stabilizer and 2 on the
control board. In later versions of the amp the series regulator mosfet
in the G2 stab is upgraded to a higher voltage type. This should
protect against this failure mode. If this mosfet fails the G2 voltage soars
to a high value. Getting this straight into the EBS is not a good thing :-)
Peter

----- Original Message -----
From: Hans Remeeus
To: acom-list@yahoogroups.com
Sent: Wednesday, February 16, 2011 6:47 PM
Subject: Re: [acom-list] Re: Recording before and after the EBS mod

Hello Peter,

Last weekend (after the EBS mod) I participated the 24-hours PACC
contest, with 1,400 QSO's. Not full, but about half QSK. I did not
notice more heat than I had before the EBS mod. Regularly I felt the
airflow coming from both the tubes, but again no more heat that during
other contests. The maximum measured temperature of both the tubes was
64 degrees C.

IMHO there is no extensive heat at all, after the EBS mod. After last
weekend I am completely convinced and reassured :-) :-)

I considered a SPST at the rear panel of the linear amplifier to toggle
the EBS on/off. I would do this when I only got the feeling that there
is more heat, but (so far) there is none.

For 100% I agree with you that we should *never* push the Acom 2000A in any way. Not with special settings of the transformer, not with the exciter drive power, not with anything. Actually I would never ever exceed 1,500 Watt output power. You must know that in our country "only" 400 Watt output is allowed, so we have a very clear limit through our regulations. For me the choice for the Acom 2000A is particularly based on the A of Automatic. During contests this excellent and lightingfast feature (together with the antennas) is of much more value than a few hundred Watts more output power.

So keeping the output power below 1,000 Watt with peaks of 1,500 Watt is an excellent advise! Nobody will notice the last few dB, only the amplifier will...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

LA7SL Nils Petter wrote:
> --- In acom-list@yahoogroups.com, "LA7SL Nils Petter"<la7sl@...> wrote:
> >
> > Hello Hans !
> > What you say appears to be correct as long as we only consider
> > SSB/voice . However, my amp is also used extensively for CW.
> > In CW the picture is completely different. Without the mod the amp
> > will "rest" between "dits and daahs" IF the designer applied the correct time constants....
> > and I think he did....
> > WITH the mod the amp will draw full bias current all the time unless you want
> > to kill your expensive output vacuum relay running QSK all the time......
> > 1 million cycles is a number easily reached in a surprisingly short time running
> > QSK.
> > Try to draw a correctly timed "time lapse" picture of a typical CW transmission
> > and then calculate the excess power (heat) generated in % because of this mod !
> > My conclusion : At 1500 watts CW out these tubes are already pushed quite hard.
> > The "4CX800 " type number stated by Svetlana is not correct. It should have been
> > 4CX600 -- if anything.... but really it has nothing to do with Eimacs patented
> > 3X and 4X series tubes. The production spread is also dramatic...meaning that
> > specs and quality varies a lot between production batches.
> > IF you are going to use this amp for CW and you want to mod it you need to either:
> > A : Be able to switch this mod out and in
> > or
> > B : Stay below 1 KW out.
> > This is my opinion at least.
> > I have installed the aux fan in my 2000,- it still gets pretty hot after 48 hours of CW contesting.
> > Without the mod...
> > But,- as i said earlier the difference is remarkable in high quality SSB (ESSB).
> > BUT it comes at a price...
> > While I am at it : The Acom 2000A can be pushed to nearly 2400 watts PEP or CW

> > with fresh tubes, good line regulation and correct settings.
> > DO NOT DO IT !!! Stay at MAX 1500w ! Exceeding this will dramatically shorten the tube life !
> > Running 2KW out may reduce tube life 70 %. And despite the fact that
> > tubes are still easily obtainable, they are expensive if you want well matched and
> > preconditioned tubes. I have tried several "NOS" sources and what I got was
> > a lot of junk. Somebody makes easy money out there :-)
> > I have a total of 6 "superb" NOS tubes around here...completely out of specs.
> > I then tried Vine antennas in the UK... and got fine tubes,- at last.
> > The Acom 2000A is a very well designed and engineered 1500w amp with some headroom...
> > But as a 2KW out amp it has some shortcomings...
> > My license is only valid for 1000W out, so for me this is a premium amp :-)
> > Peter
> >
>

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[Non-text portions of this message have been removed]

4044. Link to EBS modification and installation of optional fan

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 19:47:03 UTC
From: Hans Remeeus
Topic: 4044 Message: 4044

Hello Group,

This is the final link to the EBS modification and installation of the optional fan:

http://www.remeeus.eu/ham-radio-english/linear-amplifiers/acom-2000a-ebs-modification-and-installation-of-the-optional-fan.html

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

4045. Re: [acom-list] Link to EBS modification and installation of optional fan

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 20:05:47 UTC
From: Barry N1EU
Topic: 4044 Message: 4045

Thanks very much Hans!

I had one question about the fan voltage configuration. Your text says:

"Where the yellow cross is signed on the photo above you have to scratch
away the PCB-print with a little sharp knife."

Does that mean your amp came from the factory supplying 24V DC to the FAN
+/- terminals? If a 24V fan was used, it wouldn't have been necessary to
open the cover under the tube deck?

Thanks & 73,
Barry N1EU

On Wed, Feb 16, 2011 at 7:47 PM, Hans Remeeus <hans@...> wrote:

>
>
>
> Hello Group,
>
> This is the final link to the EBS modification and installation of the
> optional fan:
>
>
> http://www.remeeus.eu/ham-radio-english/linear-amplifiers/acom-2000a-ebs-modification-an
d-installation-of-the-optional-fan.html
>
> --
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> [Non-text portions of this message have been removed]
>
>
>

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4046. Re: [acom-list] Link to EBS modification and installation of optional fan

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 20:18:28 UTC
From: Hans Remeeus
Topic: 4044 Message: 4046

Hello Barry,

You are correct.

If the individual setting of your Acom 2000A is 24VDC and if you use a
24V fan, there is no need to open the cover and scratch the print away.

Please have a look in the Operating Manual of your Acom 2000A on Page 6,
Table 2-1 ACOM2000A Individual Data.

When here is written "Optional Fan Output Voltage 24VDC" and you want
(or have) to use a 12V fan, than you have to do the same as I did. I had
to do this, because we don't have a wide choice of silent 24V fans here.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 16-2-2011 21:05, Barry N1EU schreef:
> Thanks very much Hans!
>
> I had one question about the fan voltage configuration. Your text says:
>
> "Where the yellow cross is signed on the photo above you have to scratch
> away the PCB-print with a little sharp knife."
>
> Does that mean your amp came from the factory supplying 24V DC to the FAN
> +/- terminals? If a 24V fan was used, it wouldn't have been necessary to
> open the cover under the tube deck?
>
> Thanks& 73,
> Barry N1EU
>

[Non-text portions of this message have been removed]

4047. Re: [acom-list] Link to EBS modification and installation of optional fan

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-16 21:42:19 UTC
From: Barry N1EU
Topic: 4044 Message: 4047

Does anybody know which make/model of fan Acom supplies if you buy the
external fan from them? Or what cfm rating they provide/specify?

Looking at 24vdc 119mm fans, it's a tradeoff between cfm and noise - I'd
like to keep it quiet yet still provide adequate additional air flow.

Thanks & 73,
Barry N1EU

On Wed, Feb 16, 2011 at 8:18 PM, Hans Remeeus <hans@...> wrote:

>
>
>
> Hello Barry,
>
> You are correct.
>
> If the individual setting of your Acom 2000A is 24VDC and if you use a
> 24V fan, there is no need to open the cover and scratch the print away.
>
> Please have a look in the Operating Manual of your Acom 2000A on Page 6,
> Table 2-1 ACOM2000A Individual Data.
>
> When here is written "Optional Fan Output Voltage 24VDC" and you want
> (or have) to use a 12V fan, than you have to do the same as I did. I had
> to do this, because we don't have a wide choice of silent 24V fans here.
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 16-2-2011 21:05, Barry N1EU schreef:
>
> > Thanks very much Hans!
> >
> > I had one question about the fan voltage configuration. Your text says:
> >
> > "Where the yellow cross is signed on the photo above you have to scratch
> > away the PCB-print with a little sharp knife."
> >
> > Does that mean your amp came from the factory supplying 24V DC to the FAN
> > +/- terminals? If a 24V fan was used, it wouldn't have been necessary to

> > open the cover under the tube deck?
> >
> > Thanks& 73,
> > Barry N1EU
> >
>
> [Non-text portions of this message have been removed]
>
>
>

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4048. programming 2000s autoswitch

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-18 22:23:02 UTC
From: AB2E Darrell
Topic: 4048 Message: 4048

Hi group,
I recently picked up the switching network for the acom 2000a. I have it working fine in manual mode.
I haven't really had time to set it up for autoswitching. Does anyone have any tips for this?
I just downloaded and installed the Acom tools program, but havn't launched it yet.
I have the serial cable connected between the amp and the switch, and the box set on Amp, but it does not change the switch when I change bands on the amp.
Your suggestions welcome,
73 Darrell AB2E

[Non-text portions of this message have been removed]

4049. RE: [acom-list] programming 2000s autoswitch

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-18 22:42:11 UTC
From: Bob Naumann
Topic: 4048 Message: 4049

Darrell,

The software has nothing to do with the switch operation, so forget that.

The instructions of how to do this are in the manuals that come with the switch and the controller. Do you have them?

You can download them here:

http://www.acom-bg.com/images/stories/A2000S/manual/oper_man_eng_2000s.pdf

http://www.acom-bg.com/images/stories/A2000SW/manual/oper_man_eng_2000sw.pdf

The Bulgarian to English leaves a little bit to be desired, but I think that you should be able to figure it out.

It's been a while since I set one up, but basically, you have to manually select the antenna you want as you change the amp to the various bands by QSYing with your radio as per normal. The amp/controller work together to "remember" which antenna you last chose for that band. QSY to 40, manually select the 40m antenna, QSY to 20, manually select the 20m antenna. QSY back to 40 and it should "remember" what antenna it used on 40 and so on.

If you manually change antennas from what was programmed - say if you have two 40m antennas, it will remember the new antenna you selected on that band - and will forget about the old selection.

-Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of AB2E Darrell
Sent: Friday, February 18, 2011 4:23 PM
To: Acom List
Subject: [acom-list] programming 2000s autoswitch

Hi group,
I recently picked up the switching network for the acom 2000a. I have it working fine in manual mode.
I haven't really had time to set it up for autoswitching. Does anyone have any tips for this?
I just downloaded and installed the Acom tools program, but havn't launched it yet.
I have the serial cable connected between the amp and the switch, and the box set on Amp, but it does not change the switch when I change bands on the amp.
Your suggestions welcome,
73 Darrell AB2E

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Yahoo! Groups Links

4050. acom2000a interface cable

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-25 15:02:52 UTC
From: i6qfz
Topic: 4050 Message: 4050

Hello
I have just purchased the ACOM2000A
I have a question about the interface cable.
Please , what type of cable i must use ?
standard cable or null-modem cable ? ?
Thanks you
Franco I6QFZ

4051. RE: [acom-list] acom2000a interface cable

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-25 15:06:19 UTC
From: James Thresher
Topic: 4050 Message: 4051

Hi Franco,

For connecting a PC to the RS-232 port It should be a Null modem cable.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of i6qfz
Sent: 25 February 2011 15:03
To: acom-list@yahoogroups.com
Subject: [acom-list] acom2000a interface cable

Hello
I have just purchased the ACOM2000A
I have a question about the interface cable.
Please , what type of cable i must use ?
standard cable or null-modem cable ? ?
Thanks you
Franco I6QFZ

[Non-text portions of this message have been removed]

4052. DB-9 interface cable pin out location ?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-25 17:16:14 UTC
From: W1JCW
Topic: 4050 Message: 4052

Build your own, this way you don't need to buy a gender bender as most cable are male - female.

Just 3 wires to solder, use some cat 5 cable and buy two female DB-9 connectors that you can solder to.
That's what I did and it works great.

I thought there was a diagram on the reflector forum that shows the pin outs.

I had a pin out diagram but cannot find it now.

73-
W1JCW
John

From: James Thresher
Sent: Friday, February 25, 2011 9:06 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] acom2000a interface cable

Hi Franco,

For connecting a PC to the RS-232 port It should be a Null modem cable.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of i6qfz
Sent: 25 February 2011 15:03
To: acom-list@yahoogroups.com
Subject: [acom-list] acom2000a interface cable

Hello
I have just purchased the ACOM2000A
I have a question about the interface cable.
Please , what type of cable i must use ?
standard cable or null-modem cable ? ?
Thanks you
Franco I6QFZ

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[Non-text portions of this message have been removed]

4053. RE: [acom-list] DB-9 interface cable pin out location ?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-25 21:07:06 UTC
From: James Thresher
Topic: 4050 Message: 4053

A simple null modem cable is

Pin 2 - Pin 3

Pin 3 - Pin 2

Pin 5 - Pin 5

Although if you want to make use of the remote on capability (with an interface between the RCU and ACOM2000a) you will need more connections.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W1JCW
Sent: 25 February 2011 17:16
To: acom-list@yahoogroups.com
Subject: [acom-list] DB-9 interface cable pin out location ?

Build your own, this way you don't need to buy a gender bender as most cable are male - female.

Just 3 wires to solder, use some cat 5 cable and buy two female DB-9 connectors that you can solder to.
That's what I did and it works great.

I thought there was a diagram on the reflector forum that shows the pin outs.

I had a pin out diagram but cannot find it now.

73-
W1JCW
John

From: James Thresher
Sent: Friday, February 25, 2011 9:06 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: RE: [acom-list] acom2000a interface cable

Hi Franco,

For connecting a PC to the RS-232 port It should be a Null modem cable.

73 James M0YOM

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf

Of i6qfz
Sent: 25 February 2011 15:03
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] acom2000a interface cable

Hello
I have just purchased the ACOM2000A
I have a question about the interface cable.
Please , what type of cable i must use ?
standard cable or null-modem cable ? ?
Thanks you
Franco I6QFZ

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4054. Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 02:20:00 UTC
From: kamarty456
Topic: 4054 Message: 4054

It's been about two weeks since I did the EBS disable modification.
I only operate fidelity audio SSB.

Many of you during the EBS disable discussion were concerned about the tubes exhaust air temperature changes etc.

I won't repeat the parameters but instead let me assure you
I have not experienced any temperature faults what so ever.

A snap shot is the best I can do as the air temperature obviously
changes constantly. I was running about 1200 watts to the antenna

After the 3 minute warm up cycle the RCU reports:
front=39c
rear=39c

After the first transmission about 1 minute +/-:
front=61c
rear=67c

After about a two minute cool down before next transmission:
I participate in a round table and large group.
front=55c
rear=57c

After second long transmission about 2 minutes +/-:
front= 73c
rear=81c

After about 1 minute cool down before next transmission:
front=53c
rear=53c

So..... the average temperature when transmitting is from
about 61c to a maximum of 85c [I think I hit 90c one time].
The cool down temperature between transmissions can
vary from 53c to 61c depending upon how long the time is between
transmissions.

When I'm done for the day, I allow the amplifier run in stand-by
for a while until the temperature is around 50c-53c. then I turn
the amplifier RCU off.

I probably run very conservatively so your temperature values
will differ. The age of the tubes, and other variables will also effect your temperature values.

My purpose here is to simply reassure those of you that the
amplifier is very well made and the elimination of the EBS circuit effects it minimally.

Now..those of you doing RTTY, CW, digital modes, long key downs,
my readings will not have any meaning to you.
Those of you that simply have fidelity SSB conversations the
EBS crunch disabled will have minimal effect.

I do though suggest you do add the external muffin fan.
I suggest the 24vdc model and wire it into the existing circuity
in the amplifier...That way it will speed up and blow more air into the box at 90c, and provide a faster cool down.

I do not know what the CFM of the external muffin fan is in
low or high speed. I would also like to know that as well as
what is the CFM of the internal blower? If anyone has this information please post it.

Oh, I had some critical observations of my transmitted signal both audible and on a scope. These were observed using a K-3 and its pan-adapter and an Icom IC7800. The results indicated I have
no IMD products what so ever from disabling the EBS circuit,
and my audio is smooth and rich without any "crunch"

Another way to describe the bias crunch is to crumple up a sheet of paper. That sound emulates the bias crunch.

I'm on 14.178 mhz Monday through Friday at 2300utc if you desire to hear my signal. I run an Icom IC7700, Behringer audio, Samson CO2 microphone, Marantz PMD661 digital recorder, and a Sommer XP707
log type beam at 70 feet. 10 elements on a 20 foot boom or
4 active elements on 20 meters.

Marty KA7GKN

4055. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 02:47:28 UTC
From: Paul M Dunphy
Topic: 4054 Message: 4055

At 10:20 PM 2/25/2011, you wrote:

>I'm on 14.178 mhz Monday through Friday at
>2300utc if you desire to hear my signal. I run
>an Icom IC7700, Behringer audio, Samson CO2
>microphone, Marantz PMD661 digital recorder, and a Sommer XP707
>log type beam at 70 feet. 10 elements on a 20 foot boom or
>4 active elements on 20 meters.
>
>
>Marty KA7GKN

I guess my amplified Astatic D-104 with the
audio setting on my PRO3 all cranked up to be as
aggressive as possible (while still remaining
legal) wouldn't add much to fidelity audio SSB
testing? I'm a DXer, and I only go on SSB if I can't find'em on CW.

I've never seen the temperature above 80°C
even with prolonged CW rag-chews (4-5 minutes
transmitting at 23-25 WPM at full power) from my
ACOM-1000, but this is really mixing apples and
oranges. Do you think the average power (and
hence exhaust heat) would be higher with a
prolonged CW transmission than with a prolonged
SSB transmission? I would guess SSB probably has
an average higher power than CW, but I've never really measured it.

73, Paul VE1DX

4056. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 09:07:28 UTC
From: Hans Remeeus
Topic: 4054 Message: 4056

Hello Marty,

This looks very fine!

Same here with the temperature after the EBS. I too have not experienced
any significant increase of the temperature, no faults, no problems.
Just very good audio reports from all who know my voice and signal.

The way how you describe the bias crunch is very well choosen; like
crumpling up a sheet of paper. That's how it sounded before the EBS
modification. When you breath during voice intermissions and still have
PTT activated. Very annoying for those how listen to your signal when
it's loud and strong.

I am very happy I did the EBS modification.

Next modification I will do on the Acom 2000A is the replacement of the
two SO-239 by N-connectors. This will be tougher to do than the EBS-mod.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 26-2-2011 3:20, kamarty456 schreef:
> It's been about two weeks since I did the EBS disable modification.
> I only operate fidelity audio SSB.
>
> Many of you during the EBS disable discussion were concerned about the tubes exhaust air temperature changes etc.
>
> I won't repeat the parameters but instead let me assure you
> I have not experienced any temperature faults what so ever.
>
> A snap shot is the best I can do as the air temperature obviously
> changes constantly. I was running about 1200 watts to the antenna
>
> After the 3 minute warm up cycle the RCU reports:
> front=39c
> rear=39c
>
> After the first transmission about 1 minute +/-:
> front=61c
> rear=67c
>
> After about a two minute cool down before next transmission:

> I participate in a round table and large group.
> front=55c
> rear=57c
>
> After second long transmission about 2 minutes +/-:
> front= 73c
> rear=81c
>
> After about 1 minute cool down before next transmission:
> front=53c
> rear=53c
>
> So..... the average temperature when transmitting is from
> about 61c to a maximum of 85c [I think I hit 90c one time].
> The cool down temperature between transmissions can
> vary from 53c to 61c depending upon how long the time is between
> transmissions.
>
> When I'm done for the day, I allow the amplifier run in stand-by
> for a while until the temperature is around 50c-53c. then I turn
> the amplifier RCU off.
>
> I probably run very conservatively so your temperature values
> will differ. The age of the tubes, and other variables will also effect your temperature values.
>
> My purpose here is to simply reassure those of you that the
> amplifier is very well made and the elimination of the EBS circuit effects it minimally.
>
> Now..those of you doing RTTY, CW, digital modes, long key downs,
> my readings will not have any meaning to you.
> Those of you that simply have fidelity SSB conversations the
> EBS crunch disabled will have minimal effect.
>
> I do though suggest you do add the external muffin fan.
> I suggest the 24vdc model and wire it into the existing circuity
> in the amplifier...That way it will speed up and blow more air into the box at 90c, and provide a faster cool down.
>
> I do not know what the CFM of the external muffin fan is in
> low or high speed. I would also like to know that as well as
> what is the CFM of the internal blower? If anyone has this information please post it.
>
> Oh, I had some critical observations of my transmitted signal both audible and on a scope. These were observed using a K-3 and its pan-adapter and an Icom IC7800. The results indicated I have
> no IMD products what so ever from disabling the EBS circuit,
> and my audio is smooth and rich without any "crunch"
>
> Another way to describe the bias crunch is to crumple up a sheet of paper. That sound

emulates the bias crunch.
>
> I'm on 14.178 mhz Monday through Friday at 2300utc if you desire to hear my signal. I run an Icom IC7700, Behringer audio, Samson CO2 microphone, Marantz PMD661 digital recorder, and a Sommer XP707
> log type beam at 70 feet. 10 elements on a 20 foot boom or
> 4 active elements on 20 meters.
>
>
> Marty KA7GKN
>
>

[Non-text portions of this message have been removed]

4057. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 09:32:10 UTC
From: Hans Remeeus
Topic: 4054 Message: 4057

Hello Paul,

IMHO CW and SSB are about the same, in terms of average power and exhaust heat. Depending on the way you are using CW and SSB, there will be no significant differences. Both modes do not demand a 100% duty cycle.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

>Op 26-2-2011 3:47, Paul M Dunphy wrote:
>Do you think the average power (and hence exhaust heat) would be higher with a prolonged CW transmission than with a prolonged SSB transmission? I would guess
>SSB probably has an average higher power than CW, but I've never really measured it.
>73, Paul VE1DX

[Non-text portions of this message have been removed]

4058. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 12:25:27 UTC
From: briana
Topic: 4054 Message: 4058

Fidelity SSB is an oxymoron. But nice to dream about achieving the impossible.
Besides you need ears on the other end with good fidelity realize the benefits. That's getting pretty rare..

I think this discussion is mostly about IMD products. These generally fall outside the listener passband. You can have low IMD but terrible fidelity.

Lower IMD is a worthwhile goal even if one can't achieve true fidelity. However even an amp/exciter combo with -40 db IMD products (if your S9+10) is still going to clobber an S3 adjacent channel signal. The more cost efficient means of helping this situation is to reduce power. This of course doesn't happen much in practice.

Most likely an S2 signal with "fidelity" will not get through as often as Paul's combo where the power is (hopefully) concentrated where the listener can best hear it.

73 de Brian/K3KO

On 2/25/2011 9:47 PM, Paul M Dunphy wrote:
>
> At 10:20 PM 2/25/2011, you wrote:
>
> >I'm on 14.178 mhz Monday through Friday at
> >2300utc if you desire to hear my signal. I run
> >an Icom IC7700, Behringer audio, Samson CO2
> >microphone, Marantz PMD661 digital recorder, and a Sommer XP707
> >log type beam at 70 feet. 10 elements on a 20 foot boom or
> >4 active elements on 20 meters.
> >
> >
> >Marty KA7GKN
>
> I guess my amplified Astatic D-104 with the
> audio setting on my PRO3 all cranked up to be as
> aggressive as possible (while still remaining
> legal) wouldn't add much to fidelity audio SSB
> testing? I'm a DXer, and I only go on SSB if I can't find'em on CW.
>
> I've never seen the temperature above 80?C
> even with prolonged CW rag-chews (4-5 minutes
> transmitting at 23-25 WPM at full power) from my
> ACOM-1000, but this is really mixing apples and
> oranges. Do you think the average power (and

> hence exhaust heat) would be higher with a
> prolonged CW transmission than with a prolonged
> SSB transmission? I would guess SSB probably has
> an average higher power than CW, but I've never really measured it.
>
> 73, Paul VE1DX
>

4059. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 12:27:42 UTC
From: Barry N1EU
Topic: 4054 Message: 4059

Thanks to Hans and Marty for their efforts in providing mod info.

Don't mean to beat a dead horse, but I'd still like to know how I can hear the "problem" by monitoring/recording my amplified xmsn (either voice or tones) in a second receiver. I tried some two tone tests and couldn't see any non-linearities in the received spectrum as I slowly increased drive from zero.

Thanks & 73,
Barry N1EU

On Sat, Feb 26, 2011 at 9:32 AM, Hans Remeeus <hans@...> wrote:

>
>
>
> Hello Paul,
>
> IMHO CW and SSB are about the same, in terms of average power and
> exhaust heat. Depending on the way you are using CW and SSB, there will
> be no significant differences. Both modes do not demand a 100% duty cycle.
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> >Op 26-2-2011 3:47, Paul M Dunphy wrote:
> >Do you think the average power (and hence exhaust heat) would be
> higher with a prolonged CW transmission than with a prolonged SSB
> transmission? I would guess
> >SSB probably has an average higher power than CW, but I've never
> really measured it.
> >73, Paul VE1DX
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

4060. RE: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 13:30:18 UTC
From: Bob Naumann
Topic: 4054 Message: 4060

Marty,

I think the key phrase in your message is this: " I only operate fidelity audio SSB".

Is it fair to say that for those of us who do not do "fidelity audio SSB", this modification would not yield any benefits?

Thanks,

Bob W5OV
-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Friday, February 25, 2011 8:20 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Final temperautre observations after EBS modification

It's been about two weeks since I did the EBS disable modification.
I only operate fidelity audio SSB.

Many of you during the EBS disable discussion were concerned about the tubes exhaust air temperature changes etc.

I won't repeat the parameters but instead let me assure you
I have not experienced any temperature faults what so ever.

A snap shot is the best I can do as the air temperature obviously changes constantly. I was running about 1200 watts to the antenna

After the 3 minute warm up cycle the RCU reports:
front=39c
rear=39c

After the first transmission about 1 minute +/-:
front=61c
rear=67c

After about a two minute cool down before next transmission:
I participate in a round table and large group.
front=55c
rear=57c

After second long transmission about 2 minutes +/-:
front= 73c
rear=81c

After about 1 minute cool down before next transmission:
front=53c
rear=53c

So..... the average temperature when transmitting is from
about 61c to a maximum of 85c [I think I hit 90c one time].
The cool down temperature between transmissions can
vary from 53c to 61c depending upon how long the time is between
transmissions.

When I'm done for the day, I allow the amplifier run in stand-by
for a while until the temperature is around 50c-53c. then I turn
the amplifier RCU off.

I probably run very conservatively so your temperature values
will differ. The age of the tubes, and other variables will also effect your
temperature values.

My purpose here is to simply reassure those of you that the
amplifier is very well made and the elimination of the EBS circuit effects
it minimally.

Now..those of you doing RTTY, CW, digital modes, long key downs,
my readings will not have any meaning to you.
Those of you that simply have fidelity SSB conversations the
EBS crunch disabled will have minimal effect.

I do though suggest you do add the external muffin fan.
I suggest the 24vdc model and wire it into the existing circuity
in the amplifier...That way it will speed up and blow more air into the box
at 90c, and provide a faster cool down.

I do not know what the CFM of the external muffin fan is in
low or high speed. I would also like to know that as well as
what is the CFM of the internal blower? If anyone has this information
please post it.

Oh, I had some critical observations of my transmitted signal both audible
and on a scope. These were observed using a K-3 and its pan-adapter and an
Icom IC7800. The results indicated I have
no IMD products what so ever from disabling the EBS circuit,
and my audio is smooth and rich without any "crunch"

Another way to describe the bias crunch is to crumple up a sheet of paper.
That sound emulates the bias crunch.

I'm on 14.178 mhz Monday through Friday at 2300utc if you desire to hear my
signal. I run an Icom IC7700, Behringer audio, Samson CO2 microphone,
Marantz PMD661 digital recorder, and a Sommer XP707
log type beam at 70 feet. 10 elements on a 20 foot boom or
4 active elements on 20 meters.

Marty KA7GKN

Yahoo! Groups Links

4061. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 13:56:58 UTC
From: Hans Remeeus
Topic: 4054 Message: 4061

Hello Barry,

I don't think that you will hear the EBS-crunch with a transmitted two-tone.

The best way to monitor (or better: record) your own voice with a second receiver is when you make very short voice transmissions and watch carefully the RCU on 'BIAS' measurement.
Look at the display of your RCU and watch the EBS switching between -121V, -71V, -61V and -51V. When you see all four (or at least three) the values on the display, every time you make a short voice transmission, then you will hear the EBS-crunch in the best way. Repeat short voice transmissions for several times and watch the RCU, while you are making a recording of yourself. I would recommend using the dummyload while making the transmissions ;-) Don't make the voice intermissions to long either. E.g. Every 5 seconds at least 2 short voice transmissions saying 'A' or something. Repeat this for about 30 seconds and let the second receive make a recording.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 26-2-2011 13:27, Barry N1EU schreef:
> Thanks to Hans and Marty for their efforts in providing mod info.
>
> Don't mean to beat a dead horse, but I'd still like to know how I can hear
> the "problem" by monitoring/recording my amplified xmsn (either voice or
> tones) in a second receiver. I tried some two tone tests and couldn't see
> any non-linearities in the received spectrum as I slowly increased drive
> from zero.
>
> Thanks& 73,
> Barry N1EU
>
>

[Non-text portions of this message have been removed]

4062. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 14:19:31 UTC
From: Brian Alsop
Topic: 4054 Message: 4062

Re: Duty cycle

From the ARRL Extra Class Manual under the RF exposure section:
DUTY CYCLE
SSB - 25-40% with 40% for a heavily processed signal
CW 40%
CONTINUOUS (sic RTTY) 100%

The above figures do not include non transmitting time. That might
reduce the above by 50% or more.

I think it is pretty clear that those interested in "FIDELITY" do not
heavily process their signals. Thus any temperature conclusions about
temperature for "fidelity SSB" don't apply to CW or RTTY.

73 DE Brian/K3KO

On 2/26/2011 13:30, Bob Naumann wrote:
>
>
> Marty,
>
> I think the key phrase in your message is this: " I only operate fidelity
> audio SSB".
>
> Is it fair to say that for those of us who do not do "fidelity audio SSB",
> this modification would not yield any benefits?
>
> Thanks,
>
> Bob W5OV
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On Behalf
> Of kamarty456
> Sent: Friday, February 25, 2011 8:20 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] Final temperautre observations after EBS modification
>
> It's been about two weeks since I did the EBS disable modification.
> I only operate fidelity audio SSB.
>
> Many of you during the EBS disable discussion were concerned about the tubes
> exhaust air temperature changes etc.
>

> I won't repeat the parameters but instead let me assure you
> I have not experienced any temperature faults what so ever.
>
> A snap shot is the best I can do as the air temperature obviously
> changes constantly. I was running about 1200 watts to the antenna
>
> After the 3 minute warm up cycle the RCU reports:
> front=39c
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>
> After the first transmission about 1 minute +/-:
> front=61c
> rear=67c
>
> After about a two minute cool down before next transmission:
> I participate in a round table and large group.
> front=55c
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>
> After second long transmission about 2 minutes +/-:
> front= 73c
> rear=81c
>
> After about 1 minute cool down before next transmission:
> front=53c
> rear=53c
>
> So..... the average temperature when transmitting is from
> about 61c to a maximum of 85c [I think I hit 90c one time].
> The cool down temperature between transmissions can
> vary from 53c to 61c depending upon how long the time is between
> transmissions.
>
> When I'm done for the day, I allow the amplifier run in stand-by
> for a while until the temperature is around 50c-53c. then I turn
> the amplifier RCU off.
>
> I probably run very conservatively so your temperature values
> will differ. The age of the tubes, and other variables will also effect your
> temperature values.
>
> My purpose here is to simply reassure those of you that the
> amplifier is very well made and the elimination of the EBS circuit effects
> it minimally.
>
> Now..those of you doing RTTY, CW, digital modes, long key downs,
> my readings will not have any meaning to you.
> Those of you that simply have fidelity SSB conversations the
> EBS crunch disabled will have minimal effect.
>

> I do though suggest you do add the external muffin fan.
> I suggest the 24vdc model and wire it into the existing circuity
> in the amplifier...That way it will speed up and blow more air into the box
> at 90c, and provide a faster cool down.
>
> I do not know what the CFM of the external muffin fan is in
> low or high speed. I would also like to know that as well as
> what is the CFM of the internal blower? If anyone has this information
> please post it.
>
> Oh, I had some critical observations of my transmitted signal both audible
> and on a scope. These were observed using a K-3 and its pan-adapter and an
> Icom IC7800. The results indicated I have
> no IMD products what so ever from disabling the EBS circuit,
> and my audio is smooth and rich without any "crunch"
>
> Another way to describe the bias crunch is to crumple up a sheet of paper.
> That sound emulates the bias crunch.
>
> I'm on 14.178 mhz Monday through Friday at 2300utc if you desire to hear my
> signal. I run an Icom IC7700, Behringer audio, Samson CO2 microphone,
> Marantz PMD661 digital recorder, and a Sommer XP707
> log type beam at 70 feet. 10 elements on a 20 foot boom or
> 4 active elements on 20 meters.
>
> Marty KA7GKN
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
> --
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1204 / Virus Database: 1435/3469 - Release Date: 02/26/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1204 / Virus Database: 1435/3469 - Release Date: 02/26/11

4063. Re: Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 14:30:44 UTC
From: PA4JJ
Topic: 4054 Message: 4063

I don't think this is from the ARRL Extra Class Manual.
Because I do not think that the ARRL will call RTTY a sic mode....

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Re: Duty cycle
>
> From the ARRL Extra Class Manual under the RF exposure section:
> DUTY CYCLE
> SSB - 25-40% with 40% for a heavily processed signal
> CW 40%
> CONTINUOUS (sic RTTY) 100%
>
> The above figures do not include non transmitting time. That might
> reduce the above by 50% or more.
>
> I think it is pretty clear that those interested in "FIDELITY" do not
> heavily process their signals. Thus any temperature conclusions about
> temperature for "fidelity SSB" don't apply to CW or RTTY.
>
> 73 DE Brian/K3KO
>
> On 2/26/2011 13:30, Bob Naumann wrote:
> >
> >
> > Marty,
> >
> > I think the key phrase in your message is this: " I only operate fidelity
> > audio SSB".
> >
> > Is it fair to say that for those of us who do not do "fidelity audio SSB",
> > this modification would not yield any benefits?
> >
> > Thanks,
> >
> > Bob W5OV
> > -----Original Message-----
> > From: acom-list@...m <mailto:acom-list%40yahoogroups.com>
> > [mailto:acom-list@...m <mailto:acom-list%40yahoogroups.com>]
> > On Behalf
> > Of kamarty456
> > Sent: Friday, February 25, 2011 8:20 PM
> > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > Subject: [acom-list] Final temperautre observations after EBS modification
> >

> > It's been about two weeks since I did the EBS disable modification.
> > I only operate fidelity audio SSB.
> >
> > Many of you during the EBS disable discussion were concerned about the tubes
> > exhaust air temperature changes etc.
> >
> > I won't repeat the parameters but instead let me assure you
> > I have not experienced any temperature faults what so ever.
> >
> > A snap shot is the best I can do as the air temperature obviously
> > changes constantly. I was running about 1200 watts to the antenna
> >
> > After the 3 minute warm up cycle the RCU reports:
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> > After about a two minute cool down before next transmission:
> > I participate in a round table and large group.
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> >
> > After second long transmission about 2 minutes +/-:
> > front= 73c
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> >
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> > So..... the average temperature when transmitting is from
> > about 61c to a maximum of 85c [I think I hit 90c one time].
> > The cool down temperature between transmissions can
> > vary from 53c to 61c depending upon how long the time is between
> > transmissions.
> >
> > When I'm done for the day, I allow the amplifier run in stand-by
> > for a while until the temperature is around 50c-53c. then I turn
> > the amplifier RCU off.
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> > I probably run very conservatively so your temperature values
> > will differ. The age of the tubes, and other variables will also effect your
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> > My purpose here is to simply reassure those of you that the
> > amplifier is very well made and the elimination of the EBS circuit effects
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> > Now..those of you doing RTTY, CW, digital modes, long key downs,
> > my readings will not have any meaning to you.
> > Those of you that simply have fidelity SSB conversations the
> > EBS crunch disabled will have minimal effect.
> >
> > I do though suggest you do add the external muffin fan.
> > I suggest the 24vdc model and wire it into the existing circuity
> > in the amplifier...That way it will speed up and blow more air into the box
> > at 90c, and provide a faster cool down.
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> > I do not know what the CFM of the external muffin fan is in
> > low or high speed. I would also like to know that as well as
> > what is the CFM of the internal blower? If anyone has this information
> > please post it.
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> > Oh, I had some critical observations of my transmitted signal both audible
> > and on a scope. These were observed using a K-3 and its pan-adapter and an
> > Icom IC7800. The results indicated I have
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> > and my audio is smooth and rich without any "crunch"
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> > Another way to describe the bias crunch is to crumple up a sheet of paper.
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> > I'm on 14.178 mhz Monday through Friday at 2300utc if you desire to hear my
> > signal. I run an Icom IC7700, Behringer audio, Samson CO2 microphone,
> > Marantz PMD661 digital recorder, and a Sommer XP707
> > log type beam at 70 feet. 10 elements on a 20 foot boom or
> > 4 active elements on 20 meters.
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> > Marty KA7GKN
> >
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> > Yahoo! Groups Links
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> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
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>

4064. Re: [acom-list] Re: Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 15:38:55 UTC
From: briana
Topic: 4054 Message: 4064

Then check this out if you don't believe me:
http://books.google.com/books?id=EcbjKvhgPLsC&pg=SA11-PA5&lpg=SA11-PA5&dq=%22duty+cycle%22+%2B+%22SSB%22&source=bl&ots=0H2KR-wZJp&sig=EuIh-1w3ioZFqckDcm-oSIG0VlQ&hl=en&ei=dPtoTZWjJ8X0tgeGlITnAg&sa=X&oi=book_result&ct=result&resnum=4&sqi=2&ved=0CCsQ6AEwAw#v=onepage&q=%22duty%20cycle%22%20%2B%20%22SSB%22&f=false

I will admit the sic RTTY was my parenthetical addition. If it suits you
more the table shows AFSK SSB being 100% duty cycle.

73 de Brian/K3KO

On 2/26/2011 9:30 AM, PA4JJ wrote:
>
>
> I don't think this is from the ARRL Extra Class Manual.
> Because I do not think that the ARRL will call RTTY a sic mode....
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> Brian Alsop <alsopb@...> wrote:
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> > Re: Duty cycle
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> > From the ARRL Extra Class Manual under the RF exposure section:
> > DUTY CYCLE
> > SSB - 25-40% with 40% for a heavily processed signal
> > CW 40%
> > CONTINUOUS (sic RTTY) 100%
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> > The above figures do not include non transmitting time. That might
> > reduce the above by 50% or more.
> >
> > I think it is pretty clear that those interested in "FIDELITY" do not
> > heavily process their signals. Thus any temperature conclusions about
> > temperature for "fidelity SSB" don't apply to CW or RTTY.
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> > 73 DE Brian/K3KO
> >
> > On 2/26/2011 13:30, Bob Naumann wrote:
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> > >
> > > Marty,
> > >
> > > I think the key phrase in your message is this: " I only operate
> fidelity
> > > audio SSB".
> > >

> > > Is it fair to say that for those of us who do not do "fidelity
> audio SSB",
> > > this modification would not yield any benefits?
> > >
> > > Thanks,
> > >
> > > Bob W5OV
> > > -----Original Message-----
> > > From: acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
> > > [mailto:acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>]
> > > On Behalf
> > > Of kamarty456
> > > Sent: Friday, February 25, 2011 8:20 PM
> > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> <mailto:acom-list%40yahoogroups.com>
> > > Subject: [acom-list] Final temperautre observations after EBS
> modification
> > >
> > > It's been about two weeks since I did the EBS disable modification.
> > > I only operate fidelity audio SSB.
> > >
> > > Many of you during the EBS disable discussion were concerned about
> the tubes
> > > exhaust air temperature changes etc.
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> > > I won't repeat the parameters but instead let me assure you
> > > I have not experienced any temperature faults what so ever.
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> > > A snap shot is the best I can do as the air temperature obviously
> > > changes constantly. I was running about 1200 watts to the antenna
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> > > front=39c
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> > > After about a two minute cool down before next transmission:
> > > I participate in a round table and large group.
> > > front=55c
> > > rear=57c
> > >
> > > After second long transmission about 2 minutes +/-:
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> > > rear=81c
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> > > about 61c to a maximum of 85c [I think I hit 90c one time].
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> > > vary from 53c to 61c depending upon how long the time is between
> > > transmissions.
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> > > When I'm done for the day, I allow the amplifier run in stand-by
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> > > the amplifier RCU off.
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> > > EBS crunch disabled will have minimal effect.
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> > >
> > > Marty KA7GKN
> > >
> > > ------------------------------------
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> > > Yahoo! Groups Links
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>

4065. Re: Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 15:58:09 UTC
From: PA4JJ
Topic: 4054 Message: 4065

No need to check for you admitted it came from you.

I don't understand why you call it sick.
I myself don't like sstv but I don't call it a sick mode.

Subject closed.

73
Jan
PA4JJ

--- In acom-list@yahoogroups.com, briana <alsopb@...> wrote:
>
> Then check this out if you don't believe me:
> http://books.google.com/books?id=EcbjKvhgPLsC&pg=SA11-PA5&lpg=SA11-PA5&dq=%22duty+cycle%22+%2B+%22SSB%22&source=bl&ots=0H2KR-wZJp&sig=EuIh-1w3ioZFqckDcm-oSIG0VlQ&hl=en&ei=dPtoTZWjJ8X0tgeGlITnAg&sa=X&oi=book_result&ct=result&resnum=4&sqi=2&ved=0CCsQ6AEwAw#v=onepage&q=%22duty%20cycle%22%20%2B%20%22SSB%22&f=false
>
> I will admit the sic RTTY was my parenthetical addition. If it suits you
> more the table shows AFSK SSB being 100% duty cycle.
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> 73 de Brian/K3KO
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> On 2/26/2011 9:30 AM, PA4JJ wrote:
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> > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> > Brian Alsop <alsopb@> wrote:
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> > > Re: Duty cycle
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> > > From the ARRL Extra Class Manual under the RF exposure section:
> > > DUTY CYCLE
> > > SSB - 25-40% with 40% for a heavily processed signal
> > > CW 40%
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> > > 73 DE Brian/K3KO
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> > > On 2/26/2011 13:30, Bob Naumann wrote:
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> > > >
> > > > Marty,
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> > > > I think the key phrase in your message is this: " I only operate
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> > > > Is it fair to say that for those of us who do not do "fidelity
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4066. Re: [acom-list] Re: Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 17:26:43 UTC
From: Mel Whitten
Topic: 4054 Message: 4066

http://en.wikipedia.org/wiki/Sic

----- Original Message -----
From: PA4JJ
To: acom-list@yahoogroups.com
Sent: Saturday, February 26, 2011 9:58 AM
Subject: [acom-list] Re: Final temperautre observations after EBS modification

No need to check for you admitted it came from you.

I don't understand why you call it sick.
I myself don't like sstv but I don't call it a sick mode.

Subject closed.

73
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PA4JJ

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[Non-text portions of this message have been removed]

4067. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 17:46:03 UTC
From: Paul Christensen
Topic: 4054 Message: 4067

> "Is it fair to say that for those of us who do not do "fidelity audio SSB",
this modification would not yield any benefits?"

No, the IMD byproducts generated as a result of the EBS circuit remain the same.

Paul, W9AC

[Non-text portions of this message have been removed]

4068. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 18:15:51 UTC
From: Hans Remeeus
Topic: 4054 Message: 4068

That's correct. EBS and IMD have nothing to do with each other.

The IMD of the Acom 2000A BTW is superb! We measured -45dB IMD3, with
the FTdx5000d as exciter in Class A. Without Class A the IMD3 is -40dB,
which is still very good.

There are linear amplifiers who do -25dB IMD3 and even worse and over a
wide spectrum. Such must be prohibited..

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 26-2-2011 18:46, Paul Christensen schreef:
>> "Is it fair to say that for those of us who do not do "fidelity audio SSB",
> this modification would not yield any benefits?"
>
> No, the IMD byproducts generated as a result of the EBS circuit remain the same.
>
> Paul, W9AC
>
>

[Non-text portions of this message have been removed]

4069. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 19:14:54 UTC
From: W5OV@w5ov.com
Topic: 4054 Message: 4069

Perhaps I'm not understanding when this phenomena presents itself. From what I've read, it seems that this only occurs at certain intermediate power levels or as you transition through a certain threshold of power output.

Is that incorrect?

Well then, when does this rear it's ugly head, and why, for the last 14 years of Acom 2000A production has no one had any issues or complaints until these "fidelity" guys got interested? I've never had anyone tell me that I have any problem with my audio while using a 2000A whether it was with a TS850, FT1000MP, IC781, IC756ProIII, TS480S or with an Elecraft K3.

Hasn't Acom designed the amp to take a "middle of the road" approach to this issue and avoided the potential overheating - given the minimal impact?

Does this have any influence on CW operating at all? What about non-"fidelity" SSB operation with compression etc. as most normal DX or contest types are interested in today?

In other words, what's the big deal?

-Bob W5OV

>> "Is it fair to say that for those of us who do not do "fidelity audio
>> SSB",
> this modification would not yield any benefits?"
>
> No, the IMD byproducts generated as a result of the EBS circuit remain the
> same.
>
> Paul, W9AC
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
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>

4070. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 19:57:23 UTC
From: Hans Remeeus
Topic: 4054 Message: 4070

Hello Bob,

For 6,5 years I own the Acom 2000A and from the beginning I got complaints about the crunch in my audio, but only from my ragchew friends who live near to me. Not from every station, for the simple reason that others only hear the crunch when your signal is *loud and strong*.

3,5 years ago we moved to another part of our country where I was able to install a 400 feet deltaloop. My signal is much stronger now, so I received more complaints about the crunch.

In June 2009 I met a German ham Clemens in Friedrichshafen who told me about the crunch. He got the same complaints and asked Acom for a solution. Acom sent it to him and Clemens did the modification. Clemens is not a member of our group here and Acom kept the EBS-mod silent.

Yes, perhaps it had been better to do the mod years ago, but I thought it was too difficult to do and with certain risks. However the more I did read and hear about the crunch I got more and better informed about the mod and more and more convinced that it was good to do the mod, so I did.

The difference is significant! I am not a fidelity ham, my processor is on all the time, but I always try to improve my station.

If I knew 6,5 years ago what I know now, I had done the EBS-modification many years ago...
If I knew 30 years ago what I know now, I had no mortgage on my house...

IMHO the EBS-mod is important for all who do SSB (no-fidelity too), it is not at all difficult to do the mod (you can find this on my site) and so far (after a few thousand QSO's during contests and heavy tests) we have not found any increase of the temperature or other problems. IMHO the mod is safe to do!

When you only do CW or digital modes you won't need to implement the EBS-mod.

The EBS-crunch and -mod have very little to do with power levels and power output. The EBS works on all power levels.

That's it...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl

Communication is about people, the rest is technology.

Op 26-2-2011 20:14, W5OV@... schreef:
> Perhaps I'm not understanding when this phenomena presents itself. From
> what I've read, it seems that this only occurs at certain intermediate
> power levels or as you transition through a certain threshold of power
> output.
>
> Is that incorrect?
>
> Well then, when does this rear it's ugly head, and why, for the last 14
> years of Acom 2000A production has no one had any issues or complaints
> until these "fidelity" guys got interested? I've never had anyone tell me
> that I have any problem with my audio while using a 2000A whether it was
> with a TS850, FT1000MP, IC781, IC756ProIII, TS480S or with an Elecraft K3.
>
> Hasn't Acom designed the amp to take a "middle of the road" approach to
> this issue and avoided the potential overheating - given the minimal
> impact?
>
> Does this have any influence on CW operating at all? What about
> non-"fidelity" SSB operation with compression etc. as most normal DX or
> contest types are interested in today?
>
> In other words, what's the big deal?
>
> -Bob W5OV
>

[Non-text portions of this message have been removed]

4071. Re: [acom-list] Final temperautre observations after EBS modification

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-26 19:59:42 UTC
From: Paul Christensen
Topic: 4054 Message: 4071

Bob,

The reason for the switching non-linearity from an EBS circuit is that circuit causes the amplifier to quickly switch class of service with changes in input level. That's by design -- to keep the amp biased more toward Class B or C when idle (less heat and better energy conservation), then come out of the class into a Class AB region with the presence of an input signal.

http://www.w8ji.com/electronic_bias.htm

The transitions between class of service cause the "crunching" artifact, especially when the Rx signal level is strong. The byproducts may be in the area of -25 to say -30dBc, which requires a reasonably strong received signal to detect by ear or on a high quality panadapter.

Marty's transmissions look incredibly good now. I believe he's using an Icom '7700 into his ACOM amp. Last week, I observed the shoulders of the passband falling like a rock to better than -40 dBc, and may have been even better had his signal into north Florida been better at the time I was monitoring. By contrast, I routinely see stations with shoulders in the -25 dBc area as a result of various improper drive, EBS, and other non-linear problems.

Like most newer Alpha amps, the ACOM 2000A is capable of extremely good linearity. We know this through 2-tone testing. But 2-tone testing does not manifest the presence of the EBS non-linearities. It's unfortunate that many ops are assuming their amps are being neighborly based upon 2-tone product reviews. But the product reviews do not take into account dynamic IMD testing. And at the end of the day, that's what it's all about in the real world, on the air. The validity of 2-tone testing in an EBS-enabled amp is only relevant for steady-state input testing and only shows what the amplifier is capable of, not how it's really performing because other factors (EBS and ALC, for example)) are getting in the way when we speak into a microphone. 2-tone testing for EBS-enabled amps is a wholly irrelevant metric for SSB transmissions since an otherwise good IMD figure is in reality masked by those other factors.

Paul, W9AC

[Non-text portions of this message have been removed]

4072. Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-02-27 12:20:24 UTC
From: N1EU
Topic: 4072 Message: 4072

My amp failed this morning with "IG1=3.8MA: Should Be Zero"

I'm waiting to hear back from Acom, but I suspect the bias control transistor or perhaps one of the final tubes. In the meantime, does anyone have the troubleshooting instructions they received from Acom for this message?

Thanks & 73,
Barry N1EU

4073. Re: ACOM 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-01 02:39:55 UTC
From: kamarty456
Topic: 2045 Message: 4073

Thanks for posting this. I had the manual on old 3 1/2" floppy's
and now I have a hard copy plus a copy on the computer

Martin KA7GKN

--- In acom-list@yahoogroups.com, "Jerry.Van" <jerry.van@...> wrote:
>
>
> Try this link. http://www.hfpower.com/acom2000acd.zip Lots of data.
> About 31 MB.
>
> Jerry N8BM
>
> ----- Original Message -----
> From: ki4ge
> To: acom-list@yahoogroups.com
> Sent: Tuesday, June 05, 2007 5:45 PM
> Subject: [acom-list] ACOM 2000A Technical Supplement
>
>
> I recently bought an ACOM 2000A and need a copy of the Technical
> Supplement mentioned in the manual.
>
> Does anyone have a link to where I can download the Technical
> Supplement?
>
> Thanks, Jerry KI4GE
>

4074. Re: ACOM 1000 Technical Supplement (WAS: ACOM 2000A Technical Supplement)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-01 07:32:00 UTC
From: martin_kh6mb
Topic: 2045 Message: 4074

Note that for the Acom 1000 the contents of the ACOM1000 CD are schematics and PWB layouts are for the original design dated year 2000. It appears that the "Mains" and "Input A" PWB's were revised in 2001, The "Input" and "Control" PWB's were revised in 2002. Schematically I see only differences in the AC power up circuitry for the Mains PWB. The document I uploaded recently in the files section, Acom1000_Sch.pdf shows the newer revised PWB layouts and schematic differences I have noted in the Mains circuitry.

- Martin

--- In acom-list@yahoogroups.com, Paul M Dunphy <amplifier@...> wrote:
>
> At 07:26 PM 05/06/2007, Jerry.Van wrote:
>
>
> >Try this link. http://www.hfpower.com/acom2000acd.zip Lots of data.
> >About 31 MB.
> >
> >Jerry N8BM
>
> Lots of info here for us mere mortals who just have ACOM-1000s as well:
>
> http://www.hfpower.com/acom1000cd.zip
>
> Only about 6.6 MB.
>
> 73/DX Paul VE1DX
>
>
>
> --
> No virus found in this outgoing message.
> Checked by AVG Free Edition.
> Version: 7.5.472 / Virus Database: 269.8.9/832 - Release Date: 04/06/2007 6:43 PM
>

4075. Re: [acom-list] Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 14:57:13 UTC
From: Bill NY9H
Topic: 4072 Message: 4075

hey Barry,

what was " the rest of the story" ?

tnx
bill

At 07:20 AM 2/27/2011, you wrote:
>My amp failed this morning with "IG1=3.8MA: Should Be Zero"
>
>I'm waiting to hear back from Acom, but I suspect the bias control
>transistor or perhaps one of the final tubes. In the meantime, does
>anyone have the troubleshooting instructions they received from Acom
>for this message?
>
>Thanks & 73,
>Barry N1EU
>
>
>
>------------------------------------
>
>Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4076. Re: [acom-list] Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 15:16:48 UTC
From: Jim
Topic: 4072 Message: 4076

My friend had the same reading on his RCU and when he got it back the bill indicated a electrolytic took out two fets ....cost slightly above $500.
Tubes were ok.

KE4WY Jim

Sent from the land of OZ

On Mar 3, 2011, at 9:57 AM, Bill NY9H <ny9h@...> wrote:

>
>
> hey Barry,
>
> what was " the rest of the story" ?
>
> tnx
> bill
>
>
>
>
> At 07:20 AM 2/27/2011, you wrote:
>> My amp failed this morning with "IG1=3.8MA: Should Be Zero"
>>
>> I'm waiting to hear back from Acom, but I suspect the bias control
>> transistor or perhaps one of the final tubes. In the meantime, does
>> anyone have the troubleshooting instructions they received from Acom
>> for this message?
>>
>> Thanks & 73,
>> Barry N1EU
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> [Non-text portions of this message have been removed]
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4078. Re: [acom-list] Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 15:55:45 UTC
From: LA7SL Nils Petter
Topic: 4072 Message: 4078

I had absolutely no problem getting excellent support from Acom Bulgaria
when my Acom 2000A crashed. I got very detailed instructions and parts came
at a VERY reasonable price ! My emails were answered the next day.
That was a different problem involving G2 stabilizer and control card among
other things. The repair was by no means easy,- this amp requires good servicing
skills and measuring equipment. It is up working very nicely since my repair.
I do not know Acom in USA,- Acom Bulgaria is excellent !
Peter
----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Thursday, March 03, 2011 4:20 PM
Subject: Re: [acom-list] Troubleshooting "IG1=3.8MA: Should Be Zero"

Yes, I tried changing tubes and made no difference. I just don't understand
why a cap and two transistors should be $500. If Acom won't support
troubleshooting/repairing by the owner, I would sell my amp.

73, Barry N1EU

On Thu, Mar 3, 2011 at 3:16 PM, Jim <pywacker@...> wrote:

>
>
> My friend had the same reading on his RCU and when he got it back the bill
> indicated a electrolytic took out two fets ....cost slightly above $500.
> Tubes were ok.
>
> KE4WY Jim
>
> Sent from the land of OZ
>
> On Mar 3, 2011, at 9:57 AM, Bill NY9H <ny9h@...> wrote:
>
> >
> >
> > hey Barry,
> >
> > what was " the rest of the story" ?
> >
> > tnx
> > bill
> >
> >
> >
> >

> > At 07:20 AM 2/27/2011, you wrote:
> >> My amp failed this morning with "IG1=3.8MA: Should Be Zero"
> >>
> >> I'm waiting to hear back from Acom, but I suspect the bias control
> >> transistor or perhaps one of the final tubes. In the meantime, does
> >> anyone have the troubleshooting instructions they received from Acom
> >> for this message?
> >>
> >> Thanks & 73,
> >> Barry N1EU
> >>
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[Non-text portions of this message have been removed]

4079. Please share troubleshooting tips from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 16:23:44 UTC
From: N1EU
Topic: 4079 Message: 4079

If you've ever received troubleshooting instructions from Stan LZ1IU at Acom, please upload the instructions along with a description of your amp's symptoms at that time to the groups Files section at http://groups.yahoo.com/group/acom-list/files/ or alternatelty email them to me and I'll upload them. If you upload them, please title the document or folder with the Acom error message text.

Those troubleshooting instructions are gems of information that will form a valuable knowledgebase that we should collect and preserve going forward.

I don't know whether Stan is still handling support at Acom. In the past he expertly handled every email I sent but I'm concerned that my recent problems were not handled by Stan. Luckily, I emailed Jaime EA6NB who posted a similar problem 9 years ago and he still had the files on his computer and was able to send me Stan's instructions - I've uploaded them to the Files section. Please, let's collect and share this information now.

73, Barry N1EU

4080. Re: [acom-list] Please share troubleshooting tips from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 16:32:21 UTC
From: Hans Remeeus
Topic: 4079 Message: 4080

Hello Barry,

Very good idea!

Perhaps it is a good suggestion to start a new directory within the filesdirectory for this, with description 'Troubleshooting instructions from Acom Bulgarya'.

I have some e-mails which I can upload.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-3-2011 17:23, N1EU schreef:
> If you've ever received troubleshooting instructions from Stan LZ1IU at Acom, please upload the instructions along with a description of your amp's symptoms at that time to the groups Files section at http://groups.yahoo.com/group/acom-list/files/ or alternatelty email them to me and I'll upload them. If you upload them, please title the document or folder with the Acom error message text.
>
> Those troubleshooting instructions are gems of information that will form a valuable knowledgebase that we should collect and preserve going forward.
>
> I don't know whether Stan is still handling support at Acom. In the past he expertly handled every email I sent but I'm concerned that my recent problems were not handled by Stan. Luckily, I emailed Jaime EA6NB who posted a similar problem 9 years ago and he still had the files on his computer and was able to send me Stan's instructions - I've uploaded them to the Files section. Please, let's collect and share this information now.
>
> 73, Barry N1EU
>
>

[Non-text portions of this message have been removed]

4081. Re: Please share troubleshooting tips from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 17:07:37 UTC
From: N1EU
Topic: 4079 Message: 4081

Good idea Hans - I created a Troubleshooting Instructions folder and moved my Bias Failure info under that folder.

73, Barry N1EU

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Barry,
>
> Very good idea!
>
> Perhaps it is a good suggestion to start a new directory within the
> filesdirectory for this, with description 'Troubleshooting instructions
> from Acom Bulgarya'.
>
> I have some e-mails which I can upload.
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 3-3-2011 17:23, N1EU schreef:
> > If you've ever received troubleshooting instructions from Stan LZ1IU at Acom, please upload the instructions along with a description of your amp's symptoms at that time to the groups Files section at http://groups.yahoo.com/group/acom-list/files/ or alternatelty email them to me and I'll upload them. If you upload them, please title the document or folder with the Acom error message text.
> >
> > Those troubleshooting instructions are gems of information that will form a valuable knowledgebase that we should collect and preserve going forward.
> >
> > I don't know whether Stan is still handling support at Acom. In the past he expertly handled every email I sent but I'm concerned that my recent problems were not handled by Stan. Luckily, I emailed Jaime EA6NB who posted a similar problem 9 years ago and he still had the files on his computer and was able to send me Stan's instructions - I've uploaded them to the Files section. Please, let's collect and share this information now.
> >
> > 73, Barry N1EU
> >

> >
>
>
> [Non-text portions of this message have been removed]
>

4082. Re: [acom-list] Re: Please share troubleshooting tips from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-03 17:17:36 UTC
From: Hans Remeeus
Topic: 4079 Message: 4082

Thanks Barry!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-3-2011 18:07, N1EU wrote:
> Good idea Hans - I created a Troubleshooting Instructions folder and moved my Bias Failure info under that folder.
>
> 73, Barry N1EU
>

[Non-text portions of this message have been removed]

4084. Re: [acom-list] Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-04 09:54:41 UTC
From: Ivan
Topic: 4072 Message: 4084

As user of ACOM 2000A from the year 2001 I have had not any problem with
the excellent service and treatment from ACOM Team Bulgaria always my
problems with my 2000A was solved wonderfully and I never have complaint
of the equipment Acom Bulgaria.
Yo nunca tengo queja del equipo Acom I have for them my best Fulfillments.
I AM TO BE VERY GRATEFUL TO ACOM BULGARIA.

73´s Ivan EA8YG

El 03/03/2011 15:55, LA7SL Nils Petter escribió:
>
> I had absolutely no problem getting excellent support from Acom Bulgaria
> when my Acom 2000A crashed. I got very detailed instructions and parts
> came
> at a VERY reasonable price ! My emails were answered the next day.
> That was a different problem involving G2 stabilizer and control card
> among
> other things. The repair was by no means easy,- this amp requires good
> servicing
> skills and measuring equipment. It is up working very nicely since my
> repair.
> I do not know Acom in USA,- Acom Bulgaria is excellent !
> Peter
> ----- Original Message -----
> From: Barry N1EU
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Sent: Thursday, March 03, 2011 4:20 PM
> Subject: Re: [acom-list] Troubleshooting "IG1=3.8MA: Should Be Zero"
>
> Yes, I tried changing tubes and made no difference. I just don't
> understand
> why a cap and two transistors should be $500. If Acom won't support
> troubleshooting/repairing by the owner, I would sell my amp.
>
> 73, Barry N1EU
>
> On Thu, Mar 3, 2011 at 3:16 PM, Jim <pywacker@...
> <mailto:pywacker%40insightbb.com>> wrote:
>
> >
> >
> > My friend had the same reading on his RCU and when he got it back
> the bill
> > indicated a electrolytic took out two fets ....cost slightly above $500.
> > Tubes were ok.

> >
> > KE4WY Jim
> >
> > Sent from the land of OZ
> >
> > On Mar 3, 2011, at 9:57 AM, Bill NY9H <ny9h@...
> <mailto:ny9h%40arrl.net>> wrote:
> >
> > >
> > >
> > > hey Barry,
> > >
> > > what was " the rest of the story" ?
> > >
> > > tnx
> > > bill
> > >
> > >
> > >
> > >
> > > At 07:20 AM 2/27/2011, you wrote:
> > >> My amp failed this morning with "IG1=3.8MA: Should Be Zero"
> > >>
> > >> I'm waiting to hear back from Acom, but I suspect the bias control
> > >> transistor or perhaps one of the final tubes. In the meantime, does
> > >> anyone have the troubleshooting instructions they received from Acom
> > >> for this message?
> > >>
> > >> Thanks & 73,
> > >> Barry N1EU
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4085. ACOM2000 RS232 Port

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-04 15:27:43 UTC
From: James Thresher
Topic: 4085 Message: 4085

I'm hoping that someone can help, I have been doing some research recently into the RS-232 Port on the back of the ACOM2000. As most are aware this isn't really an RS-232 port and only Pins 2,3 & 5 are used for data communications. Looking at the schematics pins 7 & 8 are labelled ON-OUTPUT and ON-INPUT and appear to be tied to the power on circuitry that is normally activated from the On/Off button on the RCU. This seems to imply that the amplifier can be powered on using pins on the RS-232 port without the need to intercept lines from the RCU port, however after trying many different configurations I can't seem to get this to have any effect.

Can anyone here shed any more light on the purpose of these pins? They also have an AUX-INPUT (Pin 6), AUX-OUTPUT (Pin 4) & FANHI (Pin 1)

Thanks

James

M0YOM

[Non-text portions of this message have been removed]

4086. Re: Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-12 17:43:15 UTC
From: kamarty456
Topic: 4072 Message: 4086

Hi Barry, any update about your amplifier?

Marty KA7GKN

--- In acom-list@yahoogroups.com, "N1EU" <barry.n1eu@...> wrote:
>
> My amp failed this morning with "IG1=3.8MA: Should Be Zero"
>
> I'm waiting to hear back from Acom, but I suspect the bias control transistor or perhaps one of the final tubes. In the meantime, does anyone have the troubleshooting instructions they received from Acom for this message?
>
> Thanks & 73,
> Barry N1EU
>

4087. Re: Troubleshooting "IG1=3.8MA: Should Be Zero"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-12 18:56:58 UTC
From: N1EU
Topic: 4072 Message: 4087

Hi Marty,

I replaced bias transistor Q9 (easy job based on info from Jaime EA6NB) and all is well now.

I'd like to once again encourage folks to upload troubleshooting tips to http://groups.yahoo.com/group/acom-list/files/Troubleshooting%20Instructions%20%20/ - the likelihood is that each of us will eventually need help one day. The effort that Stan put into the instructions he sent us should be shared.

73,
Barry N1EU

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> Hi Barry, any update about your amplifier?
>
> Marty KA7GKN
>
>
> --- In acom-list@yahoogroups.com, "N1EU" <barry.n1eu@> wrote:
> >
> > My amp failed this morning with "IG1=3.8MA: Should Be Zero"
> >
> > I'm waiting to hear back from Acom, but I suspect the bias control transistor or perhaps one of the final tubes. In the meantime, does anyone have the troubleshooting instructions they received from Acom for this message?
> >
> > Thanks & 73,
> > Barry N1EU
> >
>

4088. 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-16 20:54:41 UTC
From: Sam Leslie - W4PK
Topic: 4088 Message: 4088

Hello all. I have a very early 2000A ser no 137 that started exhibiting the following problem:

When I switch to operate, everything is okay until I apply drive. The power output level briefly peaks up to where it had been (1.4KW) before the problem, but immediately generates a fault saying my bias is too low (-34VDC) and switches to standby.

Thinking that my tubes have finally failed, I switched out the two tubes with two new ones which I had specifically purchased for this eventuality.

After I let the tubes burn in for a few hours, I went through the idling current setup procedure (STANDBY-SERVICE-PLATE CURRENT: Ma, GRID BIAS: V).

It immediately went into a hard fault with plate current in excess of 800ma and shut the amplifier off.

I then turned the two pots RP1 (375ma) and RP2 (50ma) controlling plate idling current CCW to zero. With these two pots set to ZERO, I get the following readings:

First 15-second period:

Plate current varying between 450-550mA (target 375ma)

Grid bias varying between -46 to -52 V

Second 15-second period:

Plate current of 0 (as it should be)

Grid bias of -110V

Third 15-second period:

Plate current varying around 200-280mA (target 50ma)

Grid bias varying between -65 to -78V

These readings were all rapidly varying but I think I got the range okay.

The screen voltage reads 10V in standby and 332V when in operate mode (but with no drive applied). The grid current is zero in standby mode and 1 to 2 mA in operate mode (again with no drive applied). The plate current also reads zero under these conditions.

I have not tried applying drive under these conditions as obviously I have a failure that was not corrected with changing out the tubes.

Does anyone have an idea of what failed? Any help or suggestions will be greatly appreciated!

73, Sam W4PK

[Non-text portions of this message have been removed]

4089. 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-18 14:07:49 UTC
From: Jay Terleski
Topic: 4088 Message: 4089

Sam,
I sent your request for help to ACOM in Bulgaria.
Here is their response:

-110 V for BIAS is low, it should be between -120 -130 V. This voltage can be measured on
JP3:1 board interface and with only mains switch turned on. It is possible that capacitor
C2-47mF/200 V on board LV has dried up. It is necessary for test to connect a capacitor
47mF/200 V between JP3:1 board interface (see photo); (-) must be on JP3:1 and (+) on GND.
It is good to check for good working order all elements participating in making up this voltage,
See LOW VOLTAGE SUPPLY Sht.1 of 4.

If all elements mentioned above are OK and the tubes are in good working order then you have to
Check the elements of the circuit for regulation if the initial plate current of the tubes. See
INTERFACE Sht. 4 of 9.
--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

4090. RE: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-18 19:50:56 UTC
From: Sam Leslie - W4PK
Topic: 4088 Message: 4090

Hello Jay, I checked the -130V bias voltage with a scope and by golly it had almost 40V ripple on it! So I am 99% sure that is what has caused my problem.

I did not have a 47uF 200V capacitor on hand so I have ordered some as well as some 1000 uF capacitors since the LV board is not easy to get to.

Again, many thanks to you and the factory for pointing me in the right direction.

73, Sam

From: Jay Terleski [mailto:jayt@...]
Sent: Friday, March 18, 2011 10:08 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A Low G1 Bias failure

Sam,
I sent your request for help to ACOM in Bulgaria.
Here is their response:

-110 V for BIAS is low, it should be between -120 -130 V. This voltage can be measured on
JP3:1 board interface and with only mains switch turned on. It is possible that capacitor
C2-47mF/200 V on board LV has dried up. It is necessary for test to connect a capacitor
47mF/200 V between JP3:1 board interface (see photo); (-) must be on JP3:1 and (+) on GND.
It is good to check for good working order all elements participating in making up this voltage,
See LOW VOLTAGE SUPPLY Sht.1 of 4.

If all elements mentioned above are OK and the tubes are in good working order then you have to
Check the elements of the circuit for regulation if the initial plate current of the tubes. See
INTERFACE Sht. 4 of 9.
--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4091. ACOM 1000 FAULT

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-22 19:36:25 UTC
From: gm0vrp
Topic: 4091 Message: 4091

Anyone shed any light on LCD display flashing
Autoprotection PN07

Rgds Raymond GM0VRP

4092. Re: [acom-list] ACOM 1000 FAULT

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-22 20:04:29 UTC
From: W5OV@w5ov.com
Topic: 4091 Message: 4092

That's a High Voltage alarm.

> Anyone shed any light on LCD display flashing
> Autoprotection PN07
>
> Rgds Raymond GM0VRP
>
>
>
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> Yahoo! Groups Links
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4093. Re: [acom-list] ACOM 1000 FAULT

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-22 21:04:07 UTC
From: Mike Harris
Topic: 4091 Message: 4093

Hi Raymond,

Attached is a copy of the fault code de-code spreadsheet.

Regards,

Mike VP8NO

----- Original Message -----
From: "gm0vrp" <gm0vrp@...>
To: <acom-list@yahoogroups.com>
Sent: Tuesday, March 22, 2011 4:36 PM
Subject: [acom-list] ACOM 1000 FAULT

> Anyone shed any light on LCD display flashing
> Autoprotection PN07
>
> Rgds Raymond GM0VRP

[Non-text portions of this message have been removed]

4094. Help - Ip=110ma Should be zero

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-23 06:05:00 UTC
From: nu6x
Topic: 4094 Message: 4094

I'm getting The following error when I put my 2000A into OPR.
"Ip=110ma Should be zero"

The Bias voltage is -109 to -110V while in STB. Is this too low???

Any suggestions?

Mark NU6X Sedona, AZ

4095. Re: ACOM 1000 FAULT SOLVED

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-23 10:51:27 UTC
From: gm0vrp
Topic: 4091 Message: 4095

Hi All
Thanks for the emails.
The CAPACITOR, ELECTROLYTIC, 25V, 3300UF on the main board was the source of the problem and has now been replaced.
Rgds Raymond GM0VRP

--- In acom-list@yahoogroups.com, "gm0vrp" <gm0vrp@...> wrote:
>
> Anyone shed any light on LCD display flashing
> Autoprotection PN07
>
> Rgds Raymond GM0VRP
>

4096. Error CRU display ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-23 11:32:04 UTC
From: ivan_astrotahiche
Topic: 4096 Message: 4096

Any have had the same problem ? how to solve it ?

HEATERS ON BEFORE TIMEOUT STARTED !!

Thanks for helping !!!!
73´s Ivan EA8YG

4097. PN27

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-23 14:51:12 UTC
From: Mike Stange
Topic: 4097 Message: 4097

Hi All,

I have a similar problem as Raymond GM0VRP, getting PN27 all the time when going into warming up mode. The HV block seems to be ok - I can measure the 2800Vs for 1s, when switching on. Also the HV voltage detection seems to be ok....1.76V on hvmi-pin. What else can I search for?

73 Mike
5H3EE

----- Original Message -----
From: gm0vrp
To: acom-list@yahoogroups.com
Sent: Wednesday, March 23, 2011 1:51 PM
Subject: [acom-list] Re: ACOM 1000 FAULT SOLVED

Hi All
Thanks for the emails.
The CAPACITOR, ELECTROLYTIC, 25V, 3300UF on the main board was the source of the problem and has now been replaced.
Rgds Raymond GM0VRP

--- In acom-list@yahoogroups.com, "gm0vrp" <gm0vrp@...> wrote:
>
> Anyone shed any light on LCD display flashing
> Autoprotection PN07
>
> Rgds Raymond GM0VRP
>

[Non-text portions of this message have been removed]

4098. ACOM 2000A "HEATERS ON BEFORE TIMEOUT STARTED"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-24 12:02:48 UTC
From: ivan_astrotahiche
Topic: 4098 Message: 4098

Any have had the same problem ? how to solve it ?

HEATERS ON BEFORE TIMEOUT STARTED !!

Tanks for Helping !!!!!
73´s Ivan EA8YG

4099. Re: [acom-list] ACOM 2000A "HEATERS ON BEFORE TIMEOUT STARTED"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-24 13:51:05 UTC
From: Joel Kornreich
Topic: 4098 Message: 4099

Are you saying that the heater lite starts to flash before the timer waiting period is over?? Please confirm for if that's true I may be able to make a suggestion and explain it to you.

Joel, K2QBV

On Thu, Mar 24, 2011 at 8:02 AM, ivan_astrotahiche <ea8yg@...> wrote:

>
>
> Any have had the same problem ? how to solve it ?
>
> HEATERS ON BEFORE TIMEOUT STARTED !!
>
> Tanks for Helping !!!!!
> 73?s Ivan EA8YG
>
>
>

[Non-text portions of this message have been removed]

4100. Re: [acom-list] ACOM 2000A "HEATERS ON BEFORE TIMEOUT STARTED"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-24 14:33:15 UTC
From: Ivan
Topic: 4098 Message: 4100

Hi Joel and thanks for reply
I turn on the amp and when I push ON in the remote control unit (RCU)
all leds go to top scale an after two (2) seconds count appear: "HEATERS
ON BEFORE TIMEOUT STARTED" and go down, it do not run.
73?s Ivan EA8YG

El 24/03/2011 13:51, Joel Kornreich escribi?:
> Are you saying that the heater lite starts to flash before the timer waiting
> period is over?? Please confirm for if that's true I may be able to make a
> suggestion and explain it to you.
>
> Joel, K2QBV
>
> On Thu, Mar 24, 2011 at 8:02 AM, ivan_astrotahiche<ea8yg@...> wrote:
>
>>
>> Any have had the same problem ? how to solve it ?
>>
>> HEATERS ON BEFORE TIMEOUT STARTED !!
>>
>> Tanks for Helping !!!!!
>> 73?s Ivan EA8YG
>>
>>
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>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4101. HV TOO ..... (Help 1)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-27 16:03:11 UTC
From: ivan_astrotahiche
Topic: 4101 Message: 4101

After change (3) UNL2003A and power on (RCU) count at finish and appear
"HV TO LOW AT POWER ON: 0.04kV"
Any sugestion.
73´s Ivan EA8YG

4102. Re: [acom-list] ACOM 2000A "HEATERS ON BEFORE TIMEOUT STARTED"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-27 20:24:11 UTC
From: IVAN
Topic: 4098 Message: 4102

All is solved !!!

El 24/03/2011 12:02, ivan_astrotahiche escribió:
>
> Any have had the same problem ? how to solve it ?
>
> HEATERS ON BEFORE TIMEOUT STARTED !!
>
> Tanks for Helping !!!!!
> 73´s Ivan EA8YG
>
>

[Non-text portions of this message have been removed]

4103. Re: [acom-list] ACOM 2000A "HEATERS ON BEFORE TIMEOUT STARTED"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-27 21:41:35 UTC
From: Bill NY9H
Topic: 4098 Message: 4103

what was the solution ????

bill /3

At 04:24 PM 3/27/2011, you wrote:
>All is solved !!!
>
>El 24/03/2011 12:02, ivan_astrotahiche escribió:
> >
> > Any have had the same problem ? how to solve it ?
> >
> > HEATERS ON BEFORE TIMEOUT STARTED !!
> >
> > Tanks for Helping !!!!!
> > 73´s Ivan EA8YG
> >
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>
>[Non-text portions of this message have been removed]
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4104. Re: [acom-list] ACOM 2000A "HEATERS ON BEFORE TIMEOUT STARTED"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-03-31 20:01:05 UTC
From: IVAN
Topic: 4098 Message: 4104

Hi Bill
Here we have a storm in one moment the automatic house electric protection break down, I haven not problem with my ICOM 756 and YAESU FT857, but ACOM 2000A it have problem in the interface circuit and is damage IC ULN2003A, I change (3) and replace two damaged fuses on HV circuit, now it is 100% working my ACOM 2000A; BUT IT IS POSSIBLE WITH MARVELLOUS TEAM ACOM OF BULGARIA HELPING.
There is a wonderful TEAM.
73´s Ivan EA8YG
You can see:
(http://groups.yahoo.com/group/acom-list/photos/album/1985948763/pic/list)

El 27/03/2011 22:41, Bill NY9H escribió:
>
> what was the solution ????
>
> bill /3
>
> At 04:24 PM 3/27/2011, you wrote:
> >All is solved !!!
> >
> >El 24/03/2011 12:02, ivan_astrotahiche escribió:
> > >
> > > Any have had the same problem ? how to solve it ?
> > >
> > > HEATERS ON BEFORE TIMEOUT STARTED !!
> > >
> > > Tanks for Helping !!!!!
> > > 73´s Ivan EA8YG
> > >
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> >[Non-text portions of this message have been removed]
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4105. Electronic Bias Update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-03 18:43:15 UTC
From: kamarty456
Topic: 4105 Message: 4105

Back around January 12, 2011 this topic was visited with a lot of
quality discussion.

February 7, 2011 I did the deed and bypassed the EBS circuit in my ten year old Acom 2000A.

It is now April 3, 2011 and not a single problem!
The anticipated temperature increase is well within
the Acom and tube parameters. No fault alarms have occurred.

Remember, I only use SSB, so for those of you hitting the 2000A
hard in digital modes you may want to install a switch, which
was discussed to allow you to turn on or off the EBS circuit.

Remember, for many of you this is an unnecessary modification.
If you typically run say, 250-2500 bandwidth on SSB and listen narrower, then the bias
crunch will likely never be a challenge.
For those of you running wider bandwidths and outboard audio
processing, and/or external recording equipment, I encourage you
to look into the EBS bypass modification.

Thanks to many of you who provided technical and non-technical
discussions regarding the EBS circuit.

Martin KA7GKN

4106. Re: [acom-list] Electronic Bias Update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-03 19:09:40 UTC
From: Hans Remeeus
Topic: 4105 Message: 4106

Hello Marty,

Thanks for the good news!

It's the same over here; not one single problem with heat or anything
else. Most of the time I run about 2800 Hz bandwidth during ragchewing
within our country. No more complaints about the crunchy modulation any
more.

Thanks too and all the best!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-4-2011 20:43, kamarty456 schreef:
> Back around January 12, 2011 this topic was visited with a lot of
> quality discussion.
>
> February 7, 2011 I did the deed and bypassed the EBS circuit in my ten year old Acom
2000A.
>
> It is now April 3, 2011 and not a single problem!
> The anticipated temperature increase is well within
> the Acom and tube parameters. No fault alarms have occurred.
>
> Remember, I only use SSB, so for those of you hitting the 2000A
> hard in digital modes you may want to install a switch, which
> was discussed to allow you to turn on or off the EBS circuit.
>
> Remember, for many of you this is an unnecessary modification.
> If you typically run say, 250-2500 bandwidth on SSB and listen narrower, then the bias
crunch will likely never be a challenge.
> For those of you running wider bandwidths and outboard audio
> processing, and/or external recording equipment, I encourage you
> to look into the EBS bypass modification.
>
> Thanks to many of you who provided technical and non-technical
> discussions regarding the EBS circuit.
>
>
> Martin KA7GKN
>
>

[Non-text portions of this message have been removed]

4107. RE: [acom-list] Electronic Bias Update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-03 19:40:29 UTC
From: Callum McC
Topic: 4105 Message: 4107

Mart,

Good news indeed.

For future reference, is this mod listed anywhere?

Callum McCormick

M0MCX

[Non-text portions of this message have been removed]

4108. Re: [acom-list] Electronic Bias Update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-04 05:38:21 UTC
From: Hans Remeeus
Topic: 4105 Message: 4108

Hello Callum,

You can find it here:
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
and
http://www.remeeus.eu/ham-radio-english/linear-amplifiers/acom-2000a-ebs-modification-and-installation-of-the-optional-fan.html

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-4-2011 21:40, Callum McC schreef:
> Mart,
>
>
>
> Good news indeed.
>
>
>
> For future reference, is this mod listed anywhere?
>
>
>
> Callum McCormick
>
> M0MCX
>
>
>

[Non-text portions of this message have been removed]

4109. Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-06 19:38:55 UTC
From: F4DPT Arnaud
Topic: 4109 Message: 4109

Hello to all

Quick question, I just saw my Acom 2000A is no longer the CW tones when turned on, do you know why?
Thank you

73

Arnaud F4DPT

[Non-text portions of this message have been removed]

4110. USR Segments question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 01:16:24 UTC
From: Craig
Topic: 4110 Message: 4110

Gents nice site thanks for setting it up. I have a Acom 2000 question

At the moment I have only one 20m mono band antenna .

i have usr settings tuned at 14.025 14.150 14.250 14.325

the manual states i can store 10 tuning setting per segment ?
does this mean i could store more accurate tune values? I.E in the first segment of 20m band could i store at 14.000 14.010 14.020 14.030 14.040 14.050 14.060 14.070 14.080 14.090 ?

or am I barking up the wrong tree and this is refering to 10 different antennas per segment ?

thanks in Advance

Craig

MM0SSG
D2SG

4111. Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 20:27:28 UTC
From: kamarty456
Topic: 4111 Message: 4111

Now that Array Solutions is well trenched with Acom, what is the protocol for service?

In the past I'd contact Krassy or will, tell them my needs and if
required I'd ship them the amplifier. Are they still supporting the product or has Array Solutions picked up the service end for the USA
Acom amplifiers?

I have no problem with either group servicing my amplifier..however...
the goal is to never let it break!

My 2000A is ten years old and is very reliable

Martin KA7GKN

4112. Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 21:10:44 UTC
From: W1JCW
Topic: 4111 Message: 4112

If Array services the Acom amp that would great as I am in Rockwall, which is very close to Sunnyvale.

I just phoned them and had to leave a vm.

Stay tuned.

73-
W1JCW
John

From: kamarty456
Sent: Friday, April 15, 2011 3:27 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom Service/support

Now that Array Solutions is well trenched with Acom, what is the protocol for service?

In the past I'd contact Krassy or will, tell them my needs and if
required I'd ship them the amplifier. Are they still supporting the product or has Array Solutions picked up the service end for the USA
Acom amplifiers?

I have no problem with either group servicing my amplifier..however...
the goal is to never let it break!

My 2000A is ten years old and is very reliable

Martin KA7GKN

[Non-text portions of this message have been removed]

4113. Re: USR Segments question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 21:11:18 UTC
From: dickgreen03755
Topic: 4110 Message: 4113

The 10 memory slots per band are intended to store tuning parameters for up to 10 different antennas. You could certainly use them as you describe, but after the amp automatically selects the segment you would have to use the RCU to manually select the "antenna" that matches the sub-segment in which you will transmit.

That said, unless you have an extremely narrow-band 20m antenna, fine-tuning the match is unecessary and will buy you nothing for your trouble. All commercial antennas made for amateur use that I'm aware of are broad enough to provide an acceptable match across 150 KHZ on 20m when the amp is using the same tuning parameters.

I suppose if your 20m antenna is homebrew, is mounted too low or is being detuned by another antenna or structure, it's conceivable that the SWR at resonance is high and/or the bandwidth is uncharacteristically narrow, and an approach like you suggest could be a work-around. But an antenna like that probably isn't going to work all that well, even if you can optimize the match to the amp.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "Craig" <craigthomashaldane@...> wrote:
>
> Gents nice site thanks for setting it up. I have a Acom 2000 question
>
> At the moment I have only one 20m mono band antenna .
>
> i have usr settings tuned at 14.025 14.150 14.250 14.325
>
> the manual states i can store 10 tuning setting per segment ?
> does this mean i could store more accurate tune values? I.E in the first segment of 20m band could i store at 14.000 14.010 14.020 14.030 14.040 14.050 14.060 14.070 14.080 14.090 ?
>
> or am I barking up the wrong tree and this is refering to 10 different antennas per segment ?
>
> thanks in Advance
>
> Craig
>
> MM0SSG
> D2SG
>

4114. Yes - Array -Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 21:16:24 UTC
From: W1JCW
Topic: 4114 Message: 4114

Well just answered my own question, I should have read before posting.

On Array's webpage:

Factory US Service and Support is done by Array Solutions right here in our RF Lab. We are certified by the ACOM factory to perform all repairs to the component level. And we have pretty much all of the spare components that are necessary for the most difficult repairs, not that we have many repairs on these amps. The reliability of the ACOM amplifiers are well known and especially the ACOM 2000A which has been proven over the last 20 + years.

I sure do love my 2000A, I'm spoiled.

73-
W1JCW
John

From: W1JCW
Sent: Friday, April 15, 2011 4:10 PM
To: acom-list@yahoogroups.com
Subject: Acom Service/support

If Array services the Acom amp that would great as I am in Rockwall, which is very close to Sunnyvale.

I just phoned them and had to leave a vm.

Stay tuned.

73-
W1JCW
John

From: kamarty456
Sent: Friday, April 15, 2011 3:27 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom Service/support

Now that Array Solutions is well trenched with Acom, what is the protocol for service?

In the past I'd contact Krassy or will, tell them my needs and if
required I'd ship them the amplifier. Are they still supporting the product or has Array Solutions picked up the service end for the USA
Acom amplifiers?

I have no problem with either group servicing my amplifier..however...
the goal is to never let it break!

My 2000A is ten years old and is very reliable

Martin KA7GKN

[Non-text portions of this message have been removed]

4115. Re: USR Segments question

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 21:52:04 UTC
From: Craig
Topic: 4110 Message: 4115

Hi Dick ,

thank you for the reply,

thats cleared that up for me , yes and your right it would not be a good antenna , i wasn't sure how the manual was puting it but it is clear now thank you very much OM.

my swr is 1.1:1 at 1400 and rises to about 1.7:1 at 14.350,

tks

Craig
MM0SSG
D2SG

--- In acom-list@yahoogroups.com, "dickgreen03755" <wc1m73@...> wrote:
>
> The 10 memory slots per band are intended to store tuning parameters for up to 10 different antennas. You could certainly use them as you describe, but after the amp automatically selects the segment you would have to use the RCU to manually select the "antenna" that matches the sub-segment in which you will transmit.
>
> That said, unless you have an extremely narrow-band 20m antenna, fine-tuning the match is unecessary and will buy you nothing for your trouble. All commercial antennas made for amateur use that I'm aware of are broad enough to provide an acceptable match across 150 KHZ on 20m when the amp is using the same tuning parameters.
>
> I suppose if your 20m antenna is homebrew, is mounted too low or is being detuned by another antenna or structure, it's conceivable that the SWR at resonance is high and/or the bandwidth is uncharacteristically narrow, and an approach like you suggest could be a work-around. But an antenna like that probably isn't going to work all that well, even if you can optimize the match to the amp.
>
> 73, Dick WC1M
>
> --- In acom-list@yahoogroups.com, "Craig" <craigthomashaldane@> wrote:
> >
> > Gents nice site thanks for setting it up. I have a Acom 2000 question
> >
> > At the moment I have only one 20m mono band antenna .
> >
> > i have usr settings tuned at 14.025 14.150 14.250 14.325
> >
> > the manual states i can store 10 tuning setting per segment ?
> > does this mean i could store more accurate tune values? I.E in the first segment of 20m band could i store at 14.000 14.010 14.020 14.030 14.040 14.050 14.060 14.070 14.080 14.090

?
> >
> > or am I barking up the wrong tree and this is refering to 10 different antennas per segment ?
> >
> > thanks in Advance
> >
> > Craig
> >
> > MM0SSG
> > D2SG
> >
>

4116. Re: [acom-list] Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 21:57:56 UTC
From: Steve Tripp (K1IIG-1)
Topic: 4111 Message: 4116

Will Acom in Mass still provide repair. I have gone there and Will has been very responsive repairing my Acom which is only 1.5 hours away? 10 years old and is a great amp.
Steve
K1IIG

> If Array services the Acom amp that would great as I am in Rockwall, which
> is very close to Sunnyvale.
>
> I just phoned them and had to leave a vm.
>
> Stay tuned.
>
> 73-
> W1JCW
> John
>
>
> From: kamarty456
> Sent: Friday, April 15, 2011 3:27 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Acom Service/support
>
>
>
> Now that Array Solutions is well trenched with Acom, what is the protocol
> for service?
>
> In the past I'd contact Krassy or will, tell them my needs and if
> required I'd ship them the amplifier. Are they still supporting the
> product or has Array Solutions picked up the service end for the USA
> Acom amplifiers?
>
> I have no problem with either group servicing my amplifier..however...
> the goal is to never let it break!
>
> My 2000A is ten years old and is very reliable
>
> Martin KA7GKN
>
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>
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>
> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links
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4117. Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-15 22:43:46 UTC
From: W1JCW
Topic: 4111 Message: 4117

I am a new owner as of a few months ago and the amp is flawless.

Shocking power with very low drive, my radios don?t seem to be transmitting but I see legal limit out !!

I cant say enough good things about my Acom 2000a.
It's nice to know I can drive 10 miles for service if need be.

73-
W1JCW
John

From: Steve Tripp (K1IIG-1)
Sent: Friday, April 15, 2011 4:57 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom Service/support

Will Acom in Mass still provide repair. I have gone there and Will has been
very responsive repairing my Acom which is only 1.5 hours away? 10 years old
and is a great amp.
Steve
K1IIG

>
> From: kamarty456
> Sent: Friday, April 15, 2011 3:27 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Acom Service/support
>
>
>
> Now that Array Solutions is well trenched with Acom, what is the protocol
> for service?
>
> In the past I'd contact Krassy or will, tell them my needs and if
> required I'd ship them the amplifier. Are they still supporting the
> product or has Array Solutions picked up the service end for the USA
> Acom amplifiers?
>
> I have no problem with either group servicing my amplifier..however...
> the goal is to never let it break!
>
> My 2000A is ten years old and is very reliable
>
> Martin KA7GKN

[Non-text portions of this message have been removed]

4118. YB1/N6SS used Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-16 02:35:51 UTC
From: Jo, YC0LOW®
Topic: 4118 Message: 4118

Just a brief note that during his short visit to Indonesia, Pres-N6SS was QRV on top band (14th April) as YB1/N6SS using Acom 1000.

The amp was used for the first time here and it worked like a champ! About 45W input power from a K3 could result an approximate 1K forward power.

I am very impressed with the silence of it. My old linear is Tokyo Hy-Power HL-2K which I think, now, is too noisy.

Pres - YB1/N6SS netted 47 QSOs from 20 different DXCC countries -with interesting wide EU footprint.

Tnx es 73 de Jo, YCØLOW

Both equipments
Sent from my BlackBerry®

4119. Re: [acom-list] Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-16 07:46:56 UTC
From: Val
Topic: 4111 Message: 4119

Array Solutions and Acom International in Mass are both dealers of the manufacturer Acom Ltd. Of course, warranty repairs should be done by the company who sold the amplifier. For the out of warranty service however, the choice is yours.

73, Val LZ1VB

----- Original Message -----
From: "kamarty456" <martins160@...>
To: <acom-list@yahoogroups.com>
Sent: Friday, April 15, 2011 11:27 PM
Subject: [acom-list] Acom Service/support

> Now that Array Solutions is well trenched with Acom, what is the protocol
> for service?
>
> In the past I'd contact Krassy or will, tell them my needs and if
> required I'd ship them the amplifier. Are they still supporting the
> product or has Array Solutions picked up the service end for the USA
> Acom amplifiers?
>
> I have no problem with either group servicing my amplifier..however...
> the goal is to never let it break!
>
> My 2000A is ten years old and is very reliable
>
> Martin KA7GKN
>
>
>
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> Yahoo! Groups Links
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4120. Re: [acom-list] Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-16 12:28:36 UTC
From: W5OV@w5ov.com
Topic: 4111 Message: 4120

John,

Everyone associated with Acom in the USA is in Visalia, CA this weekend for the DX convention. That includes Jay and I from Array Solutions, and Krassy and Will from Acom Intl.

We all work together and collaborate on repairs when necessary. Any or all of us will help anyone who has an Acom amplifier.

So, does it matter where you go for service? Not really. As Val said, if you bought your amp from one of us, it would be better to work with that same dealer for warranty service - but, as in John's case, he's maybe 10 miles from our shop so he should work with us. This only makes sense. No one wants anyone shipping these somewhat heavy pieces of gear across the country unnecessarily.

73,

Bob W5OV
Array Solutions

>
> I am a new owner as of a few months ago and the amp is flawless.
>
> Shocking power with very low drive, my radios don?t seem to be
> transmitting but I see legal limit out !!
>
> I cant say enough good things about my Acom 2000a.
> It's nice to know I can drive 10 miles for service if need be.
>
> 73-
> W1JCW
> John
>
>
>
> From: Steve Tripp (K1IIG-1)
> Sent: Friday, April 15, 2011 4:57 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Acom Service/support
>
>
>
>
>
>
> Will Acom in Mass still provide repair. I have gone there and Will has

> been
> very responsive repairing my Acom which is only 1.5 hours away? 10 years
> old
> and is a great amp.
> Steve
> K1IIG
>
>
>>
>> From: kamarty456
>> Sent: Friday, April 15, 2011 3:27 PM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Acom Service/support
>>
>>
>>
>> Now that Array Solutions is well trenched with Acom, what is the
>> protocol
>> for service?
>>
>> In the past I'd contact Krassy or will, tell them my needs and if
>> required I'd ship them the amplifier. Are they still supporting the
>> product or has Array Solutions picked up the service end for the USA
>> Acom amplifiers?
>>
>> I have no problem with either group servicing my amplifier..however...
>> the goal is to never let it break!
>>
>> My 2000A is ten years old and is very reliable
>>
>> Martin KA7GKN
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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>

4121. Acom Service/support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-16 13:55:01 UTC
From: W1JCW
Topic: 4111 Message: 4121

Thanks for the update Bob.

It sure is nice to be close to the repair shop if needed, I don't expect issues with this fine amp.

I am so impressed with the customer service from Acom in Ma.

I had an issue with Alpha and it turned me OFF from their products knowing the lack of support I would receive
if needed some day.

73-
W1JCW
John

From: W5OV@...
Sent: Saturday, April 16, 2011 7:28 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom Service/support

John,

Everyone associated with Acom in the USA is in Visalia, CA this weekend for the DX convention. That includes Jay and I from Array Solutions, and Krassy and Will from Acom Intl.

We all work together and collaborate on repairs when necessary. Any or all of us will help anyone who has an Acom amplifier.

So, does it matter where you go for service? Not really. As Val said, if you bought your amp from one of us, it would be better to work with that same dealer for warranty service - but, as in John's case, he's maybe 10 miles from our shop so he should work with us. This only makes sense. No one wants anyone shipping these somewhat heavy pieces of gear across the country unnecessarily.

73,

Bob W5OV
Array Solutions

[Non-text portions of this message have been removed]

4122. ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 10:40:10 UTC
From: James Thresher
Topic: 4122 Message: 4122

I have recently been working on some new control software for the ACOM 2000, I've just released the first beta version of this on my website. If anyone would like to try it out I would welcome any feedback.

You can grab a copy at www.m0yom.co.uk

The features are basic at the moment but I am planning on adding many more features once I'm happy that the basics are working properly. The main planned feature is the ability to remote control the ACOM over a network or internet connection (this is the reason that I decided to develop this software to begin with, for remote operation of the station).

Please keep in mind that this is very early beta software so there will likely be problems.

Please send any feedback to james@... to save bandwidth on this reflector. If enough people like the software and want to use it then I will consider creating a separate reflector for discussion.

Thanks

73 James M0YOM

[Non-text portions of this message have been removed]

4123. Re: [acom-list] ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 11:23:25 UTC
From: Fulvio
Topic: 4122 Message: 4123

Hello James,

thanks for letting the group know about your project.
As a happy owner of an Acom 2000 I will be willing to
test your program as well report to you any useful feedback.

Thank you!

Best 73 de HB9DHG Fulvio

On Thu, Apr 28, 2011 at 12:40 PM, James Thresher
<yomengineering@...>wrote:

>
>
> I have recently been working on some new control software for the ACOM
> 2000,
> I've just released the first beta version of this on my website. If anyone
> would like to try it out I would welcome any feedback.
>
> You can grab a copy at www.m0yom.co.uk
>
> The features are basic at the moment but I am planning on adding many more
> features once I'm happy that the basics are working properly. The main
> planned feature is the ability to remote control the ACOM over a network or
> internet connection (this is the reason that I decided to develop this
> software to begin with, for remote operation of the station).
>
> Please keep in mind that this is very early beta software so there will
> likely be problems.
>
> Please send any feedback to james@... to save bandwidth on this
> reflector. If enough people like the software and want to use it then I
> will
> consider creating a separate reflector for discussion.
>
> Thanks
>
> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

4124. Re: [acom-list] ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 12:02:56 UTC
From: Ivan
Topic: 4122 Message: 4124

Good news for ACOM users, I go to download and test, I will inform you
about. Thanks, James !!!!!!
73´s Ivan EA8YG

I am user of ACOM 2000A from 2001.

El 28/04/2011 11:40, James Thresher escribió:
>
> I have recently been working on some new control software for the ACOM
> 2000,
> I've just released the first beta version of this on my website. If anyone
> would like to try it out I would welcome any feedback.
>
> You can grab a copy at www.m0yom.co.uk
>
> The features are basic at the moment but I am planning on adding many more
> features once I'm happy that the basics are working properly. The main
> planned feature is the ability to remote control the ACOM over a
> network or
> internet connection (this is the reason that I decided to develop this
> software to begin with, for remote operation of the station).
>
> Please keep in mind that this is very early beta software so there will
> likely be problems.
>
> Please send any feedback to james@m0yom.co.uk
> <mailto:james%40m0yom.co.uk> to save bandwidth on this
> reflector. If enough people like the software and want to use it then
> I will
> consider creating a separate reflector for discussion.
>
> Thanks
>
> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4125. Re: [acom-list] ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 14:18:56 UTC
From: Callum's iPhone
Topic: 4122 Message: 4125

Great work James. I love the front panel :)

Callum McCormick
+44 (0)7976 631881

Away from my desk right now..

On 28 Apr 2011, at 11:40, "James Thresher" <yomengineering@...>
wrote:

> I have recently been working on some new control software for the
> ACOM 2000,
> I've just released the first beta version of this on my website. If
> anyone
> would like to try it out I would welcome any feedback.
>
> You can grab a copy at www.m0yom.co.uk
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> The features are basic at the moment but I am planning on adding
> many more
> features once I'm happy that the basics are working properly. The main
> planned feature is the ability to remote control the ACOM over a
> network or
> internet connection (this is the reason that I decided to develop this
> software to begin with, for remote operation of the station).
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> Please keep in mind that this is very early beta software so there
> will
> likely be problems.
>
> Please send any feedback to james@m0yom.co.uk to save bandwidth on
> this
> reflector. If enough people like the software and want to use it
> then I will
> consider creating a separate reflector for discussion.
>
> Thanks
>
> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4126. Re: [acom-list] ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 15:13:32 UTC
From: Bill NY9H
Topic: 4122 Message: 4126

Great news.....someone who can ....is doing it

Tnx

Bill

4127. Re: [acom-list] ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 15:21:04 UTC
From: Jim Idelson
Topic: 4122 Message: 4127

This is awesome, James!

I was involved in the specification of the original software written
many years ago . . . and I would be happy to give you some of the ideas
that came out of that effort. Here are a couple to start!

* Full UI and Compact UI - when running other apps on your screen,
most people just want very basic info about the amp and a tiny UI
in that mode is what is needed
* Automatic Frequency Segment Selection - based on knowledge of the
transmitter frequency from logging software connected to the radio
* Interface to the top free general-purpose logging and contesting
software - DXLab and N1MM

Have fun with this. Your efforts will be appreciated by a lot of users.

Jim K1IR

On 4/28/2011 6:40 AM, James Thresher wrote:
> I have recently been working on some new control software for the ACOM 2000,
> I've just released the first beta version of this on my website. If anyone
> would like to try it out I would welcome any feedback.
>
>
>
> You can grab a copy at www.m0yom.co.uk
>
>
>
> The features are basic at the moment but I am planning on adding many more
> features once I'm happy that the basics are working properly. The main
> planned feature is the ability to remote control the ACOM over a network or
> internet connection (this is the reason that I decided to develop this
> software to begin with, for remote operation of the station).
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>
>
> Please keep in mind that this is very early beta software so there will
> likely be problems.
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>
>
> Please send any feedback to james@... to save bandwidth on this
> reflector. If enough people like the software and want to use it then I will
> consider creating a separate reflector for discussion.
>

>
>
> Thanks
>
>
>
> 73 James M0YOM
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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--
73,

Jim K1IR

[Non-text portions of this message have been removed]

4128. ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-28 16:00:29 UTC
From: W1JCW
Topic: 4122 Message: 4128

Excellent James.

Thank you for making the effort, if I had programming skills I certainly would have attempted something as
control software is non existent at this time as you well know.

I will give it a try and provide feed back.

73-
W1JCW
John

From: James Thresher
Sent: Thursday, April 28, 2011 5:40 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM Control Software

I have recently been working on some new control software for the ACOM 2000, I've just released the first beta version of this on my website. If anyone would like to try it out I would welcome any feedback.

You can grab a copy at www.m0yom.co.uk

The features are basic at the moment but I am planning on adding many more features once I'm happy that the basics are working properly. The main planned feature is the ability to remote control the ACOM over a network or internet connection (this is the reason that I decided to develop this software to begin with, for remote operation of the station).

Please keep in mind that this is very early beta software so there will likely be problems.

Please send any feedback to james@... to save bandwidth on this reflector. If enough people like the software and want to use it then I will consider creating a separate reflector for discussion.

Thanks

73 James M0YOM

[Non-text portions of this message have been removed]

4129. ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-29 15:00:30 UTC
From: Norman
Topic: 4129 Message: 4129

To the Group,

Noting James' Control Software Beta announcement and the follow on comments prompts me to seek a solution to my control need.

Simply stated I would like a hardwired Band Switch control line, similar to the ICOM tranceivers to PW-1 amplifier "remote" cable.

My understanding of the ACOM band change mechanism is it is based on RF detection, and a frequency counter to determine drive presence and frequency, which then triggers the band change.

My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC step voltage corresponding to each band. During contest operation band changes are control by my logging software which I believe is a digital signal to the transceiver.

So, is there a method of triggering ACOM 2000A band changes via some form of direct control and not depend on the RF detection method?

Norm W4QN

4130. RE: [acom-list] ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-29 15:57:02 UTC
From: AB2E Darrell
Topic: 4129 Message: 4130

Greetings Norm,
I have the Acom 2000S and 2000SW. It works great. The 2000S "learns" your antenna selection patterns, usually the 2nd time you return to that frequency. At this point, when the amp switches to that band, so does the antenna switch.
In a contest using N1MM it works great ..... N1MM changes the rig, which keys the Acom, which in turn makes the proper antenna selection.
There are several sites with the switch info, this one has the manuals http://www.acom-bg.com/index.php?option=com_content&view=article&id=99:acom-2000s-automatic-antenna-selector-&catid=42:antenna-switch&Itemid=117

73 Darrell AB2E

To: acom-list@yahoogroups.com
From: npalex@...
Date: Fri, 29 Apr 2011 15:00:30 +0000
Subject: [acom-list] ACOM 2000A - Auto Band Switching

To the Group,

Noting James' Control Software Beta announcement and the follow on comments prompts me to seek a solution to my control need.

Simply stated I would like a hardwired Band Switch control line, similar to the ICOM tranceivers to PW-1 amplifier "remote" cable.

My understanding of the ACOM band change mechanism is it is based on RF detection, and a frequency counter to determine drive presence and frequency, which then triggers the band change.

My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC step voltage corresponding to each band. During contest operation band changes are control by my logging software which I believe is a digital signal to the transceiver.

So, is there a method of triggering ACOM 2000A band changes via some form of direct control and not depend on the RF detection method?

Norm W4QN

[Non-text portions of this message have been removed]

4131. Re: [acom-list] ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-29 18:23:40 UTC
From: Val
Topic: 4129 Message: 4131

Norm,

The ICOM DC step voltage and the other band decoders wouldn't do the job, as 2000A tunings are not per band, but per narrow segments. The amplifier needs information for the transceiver's frequency, not only for the band. This information is available on the transceivers CAT ports, like CI-V of your ICOM.
As Jim suggested, James may try to feed his great Director with a frequency data from the logger.
But if you have some patience, a new device will be offered by Acom soon, allowing CAT connection between 2000A and any transceiver.

73, Val LZ1VB

----- Original Message -----
From: "Norman" <npalex@...>
To: <acom-list@yahoogroups.com>
Sent: Friday, April 29, 2011 6:00 PM
Subject: [acom-list] ACOM 2000A - Auto Band Switching

> To the Group,
>
> Noting James' Control Software Beta announcement and the follow on
> comments prompts me to seek a solution to my control need.
>
> Simply stated I would like a hardwired Band Switch control line, similar
> to the ICOM tranceivers to PW-1 amplifier "remote" cable.
>
> My understanding of the ACOM band change mechanism is it is based on RF
> detection, and a frequency counter to determine drive presence and
> frequency, which then triggers the band change.
>
> My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC
> step voltage corresponding to each band. During contest operation band
> changes are control by my logging software which I believe is a digital
> signal to the transceiver.
>
> So, is there a method of triggering ACOM 2000A band changes via some form
> of direct control and not depend on the RF detection method?
>
> Norm W4QN
>
>
>
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>

> Yahoo! Groups Links
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4132. Re: ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-30 01:38:23 UTC
From: Norman
Topic: 4129 Message: 4132

Darrell,
Thanks for the response, but I think you missed what I a looking for. I do not have an antenna selection issue, that is taken care of by my transceiver. What I am looking for is a method of direct control of the ACOM amplifier band switching. Either by a control signal from the transceiver or from a command port on the computer.

I note from another response that a CAT decoding capability may be available soon. That capability will address my need.

Regards,
Norm W4QN
==========

--- In acom-list@yahoogroups.com, AB2E Darrell <ab2e@...> wrote:
>
>
> Greetings Norm,
> I have the Acom 2000S and 2000SW. It works great. The 2000S "learns" your antenna selection patterns, usually the 2nd time you return to that frequency. At this point, when the amp switches to that band, so does the antenna switch.
> In a contest using N1MM it works great ..... N1MM changes the rig, which keys the Acom, which in turn makes the proper antenna selection.
> There are several sites with the switch info, this one has the manuals http://www.acom-bg.com/index.php?option=com_content&view=article&id=99:acom-2000s-automatic-antenna-selector-&catid=42:antenna-switch&Itemid=117
>
> 73 Darrell AB2E
>
> To: acom-list@yahoogroups.com
> From: npalex@...
> Date: Fri, 29 Apr 2011 15:00:30 +0000
> Subject: [acom-list] ACOM 2000A - Auto Band Switching
>
==========
> To the Group,
>
> Noting James' Control Software Beta announcement and the follow on comments prompts me to seek a solution to my control need.
>
> Simply stated I would like a hardwired Band Switch control line, similar to the ICOM tranceivers to PW-1 amplifier "remote" cable.
>
> My understanding of the ACOM band change mechanism is it is based on RF detection, and a frequency counter to determine drive presence and frequency, which then triggers the band change.
>

> My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC step voltage corresponding to each band. During contest operation band changes are control by my logging software which I believe is a digital signal to the transceiver.
>
> So, is there a method of triggering ACOM 2000A band changes via some form of direct control and not depend on the RF detection method?
>
> Norm W4QN

4133. Re: ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-30 01:45:28 UTC
From: Norman
Topic: 4129 Message: 4133

Val,

Thanks for the very encouraging news regarding a device to permit direct connection to the transceiver frequency information. I knew that there was both the analog band information and the CAT frequency info available in the ICOM line of radios. I was not aware that the 2000 needed frequency info to optimize the tuning, but it makes sense.

Hopefully the new device will be available shortly - I shall have patience.

73,
Norm W4QN

PS - if there is a need for Beta test, I would be happy to volunteer.
==========

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> Norm,
>
> The ICOM DC step voltage and the other band decoders wouldn't do the job, as 2000A tunings are not per band, but per narrow segments. The amplifier needs information for the transceiver's frequency, not only for the band. This information is available on the transceivers CAT ports, like CI-V of your ICOM.

As Jim suggested, James may try to feed his great Director with a frequency data from the logger.
> But if you have some patience, a new device will be offered by Acom soon, allowing CAT connection between 2000A and any transceiver.
>
> 73, Val LZ1VB
>
>
> ----- Original Message -----
> From: "Norman" <npalex@...>
> To: <acom-list@yahoogroups.com>
> Sent: Friday, April 29, 2011 6:00 PM
> Subject: [acom-list] ACOM 2000A - Auto Band Switching
>
>
> > To the Group,
> >
> > Noting James' Control Software Beta announcement and the follow on
> > comments prompts me to seek a solution to my control need.
> >
> > Simply stated I would like a hardwired Band Switch control line, similar
> > to the ICOM tranceivers to PW-1 amplifier "remote" cable.

> >
> > My understanding of the ACOM band change mechanism is it is based on RF
> > detection, and a frequency counter to determine drive presence and
> > frequency, which then triggers the band change.
> >
> > My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC
> > step voltage corresponding to each band. During contest operation band
> > changes are control by my logging software which I believe is a digital
> > signal to the transceiver.
> >
> > So, is there a method of triggering ACOM 2000A band changes via some form
> > of direct control and not depend on the RF detection method?
> >
> > Norm W4QN
> >
> >
> >
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>

4134. Re: [acom-list] ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-30 07:55:02 UTC
From: Fulvio Galli
Topic: 4129 Message: 4134

Hi Norman,

I had the same need until i bought the Microham Station Master and his Acom 2000A cable (using in parallel with the MK2R+)
I've a IC-7800 connected with my Acom2000A. The station master with its cable is capable of tracking band changes and let the amplifier
know on which frequency I listen and instantly the acom is adjusting its frequency accordingly.
I don't know if this is really what you need but I would suggest to give a look at:

http://www.microham-usa.com/Products/sm.html

http://www.microham-usa.com/Products/SM/Cables/PA-ACOM-2000.pdf

the Station Master can be used alone without the MK2R+.

I hope this can help you.

Enjoy the IC-7800 and the Acom 2000 ;-)
Best 73 de HB9DHG Fulvio
http://www.hb9dhg.ch

On Apr 29, 2011, at 5:00 PM, Norman wrote:

> To the Group,
>
> Noting James' Control Software Beta announcement and the follow on comments prompts me to seek a solution to my control need.
>
> Simply stated I would like a hardwired Band Switch control line, similar to the ICOM tranceivers to PW-1 amplifier "remote" cable.
>
> My understanding of the ACOM band change mechanism is it is based on RF detection, and a frequency counter to determine drive presence and frequency, which then triggers the band change.
>
> My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC step voltage corresponding to each band. During contest operation band changes are control by my logging software which I believe is a digital signal to the transceiver.
>
> So, is there a method of triggering ACOM 2000A band changes via some form of direct control and not depend on the RF detection method?
>
> Norm W4QN
>
>

4135. RE: [acom-list] ACOM 2000A - Auto Band Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-30 10:45:04 UTC
From: James Thresher
Topic: 4129 Message: 4135

Hi Norm,

It would be possible to manually change the band on the ACOM 2000A via serial port commands, This is something I am looking to include in a future release of my software.

Integrating this to logging software may be tricky as it would depend on the logging software being used and would need that software to provide some way of retrieving the band or frequency information from it.

A couple of people have asked for Logging software integration in ACOM Director, so this is something I will look into.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Norman
Sent: 29 April 2011 16:01
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A - Auto Band Switching

To the Group,

Noting James' Control Software Beta announcement and the follow on comments prompts me to seek a solution to my control need.

Simply stated I would like a hardwired Band Switch control line, similar to the ICOM tranceivers to PW-1 amplifier "remote" cable.

My understanding of the ACOM band change mechanism is it is based on RF detection, and a frequency counter to determine drive presence and frequency, which then triggers the band change.

My transceiver is a ICOM 7800 (also a IC-756III) and does provide a DC step voltage corresponding to each band. During contest operation band changes are control by my logging software which I believe is a digital signal to the transceiver.

So, is there a method of triggering ACOM 2000A band changes via some form of direct control and not depend on the RF detection method?

Norm W4QN

[Non-text portions of this message have been removed]

4136. ACOM 1011 Replacement tubes instruction ?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-30 17:12:43 UTC
From: jartelc
Topic: 4136 Message: 4136

Hi,

I can not found much information about the ACOM 1011 amp?
detailed Scheme, procedure for changing tubes, etc. ...
Does anyone have this and it would be kind enough to send it to me?

Thank you, Chris

4137. RE: [acom-list] ACOM 1011 Replacement tubes instruction ?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-04-30 22:57:38 UTC
From: Bob Naumann
Topic: 4136 Message: 4137

Ask your Acom dealer for this information.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of jartelc
Sent: Saturday, April 30, 2011 12:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1011 Replacement tubes instruction ?

Hi,

I can not found much information about the ACOM 1011 amp?
detailed Scheme, procedure for changing tubes, etc. ...
Does anyone have this and it would be kind enough to send it to me?

Thank you, Chris

Yahoo! Groups Links

4138. RE: [acom-list] ACOM 1011 Replacement tubes instruction ?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-01 05:59:49 UTC
From: Christian Jartel
Topic: 4136 Message: 4138

Yes, why not, but I am surprised that no one distributes the info is it secret ?

[Non-text portions of this message have been removed]

4139. RE: [acom-list] ACOM 1011 Replacement tubes instruction ?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-01 13:04:34 UTC
From: Bob Naumann
Topic: 4136 Message: 4139

If you are having trouble with a 1011 you should talk to your dealer about it and they will provide support information to you at no charge.

This is a new model, and is most likely under warranty since it has not been available much more than 2 years.

You may however, download user manuals from the Acom website,

http://www.acom-bg.com/index.php?option=com_content&view=article&id=128&Itemid=136

The detailed technical support information is not free public information but your dealer can provide it to you as an Acom owner.

Do you own one, or are you just looking for additional information?

Radio33 (F5OLS) is the Acom dealer in France.
TEL: 05 56 97 35 34
Mail : radio33@...

73,

Bob W5OV
Array Solutions
Acom Dealer in USA

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Christian Jartel
Sent: Sunday, May 01, 2011 1:00 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 1011 Replacement tubes instruction ?

Yes, why not, but I am surprised that no one distributes the info is it secret ?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4140. Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 16:04:47 UTC
From: Craig
Topic: 4140 Message: 4140

Hi Folks,

I'm not sure this is an issue or not but please have look at the three you tube videos below showing startup sequence , now when the first two videos are played notice how the motor runs at the end ,on the first two videos its nice and smooth , when you watch the last video which is showing my amp starting you will notice it sounds a little jittery or sticky , can anyone have a listen to their amps an report back.

Any feedback would be greatly appreciated ,
unfortunately for me I strive for perfection. HI

73's

D2SG

MM0SSG

http://www.youtube.com/watch?v=OjVEmUw9SLw

http://www.youtube.com/watch?v=kJ5p_fGyHEc

http://www.youtube.com/watch?v=Oh9THFVCtKg

4141. Re: Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 16:35:27 UTC
From: kamarty456
Topic: 4140 Message: 4141

I think you're OK!

The stepper motor noise will vary ...for example:

With the amp's cover removed it will be louder.

Placing the amp on a desk with nothing close to
it the sound will vary.

Placing the amp into a rack the motor noise will also change,

This is due to mechanical noise coupling pick up.
In other words, when the motors initiate the mechanical
noise it is picked up by nearby stuff and it can be amplified.

How many times do you hear a station with amp noise in
the background? and the operator realizes his amp is on
the same desk as the microphone stand is...he is getting
mechanical noise coupling. He moves the mic away or
relocates the amp and the rumble is gone [I'm not discussing the blower noise rather mechanical hum from the amp itself].

If your amp times out properly at start up, and you have normal operation, and all your parameters are within specifications
leave the amp alone.

Martin KA7GKN

--- In acom-list@...m, "Craig" <craigthomashaldane@...> wrote:
>
>
> Hi Folks,
>
> I'm not sure this is an issue or not but please have look at the three you tube videos below showing startup sequence , now when the first two videos are played notice how the motor runs at the end ,on the first two videos its nice and smooth , when you watch the last video which is showing my amp starting you will notice it sounds a little jittery or sticky , can anyone have a listen to their amps an report back.
>
> Any feedback would be greatly appreciated ,
> unfortunately for me I strive for perfection. HI
>
> 73's
>
> D2SG
>
> MM0SSG

>
>
>
> http://www.youtube.com/watch?v=OjVEmUw9SLw
>
> http://www.youtube.com/watch?v=kJ5p_fGyHEc
>
> http://www.youtube.com/watch?v=Oh9THFVCtKg
>

4142. RE: [acom-list] Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 17:17:09 UTC
From: Bob Naumann
Topic: 4140 Message: 4142

After owning one of these since 1998, and also after testing and shipping dozens of new units over the last few years, I can certify that your amplifier and its stepper motor noises on startup are 100% normal.

The amount of noise and duration will vary somewhat depending on where the amp was tuned when it was shut off.

You will also hear a varying amount of sound when you change bands. Less when you go from one band to the next (20 to 17m for example) and more when you go from, for example, 160 to 10m and so on.

73,

Bob W5OV
Array Solutions
(Acom Dealer)

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Craig
Sent: Sunday, May 15, 2011 11:05 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Motor Sound on Startup

Hi Folks,

I'm not sure this is an issue or not but please have look at the three you tube videos below showing startup sequence , now when the first two videos are played notice how the motor runs at the end ,on the first two videos its nice and smooth , when you watch the last video which is showing my amp starting you will notice it sounds a little jittery or sticky , can anyone have a listen to their amps an report back.

Any feedback would be greatly appreciated ,
unfortunately for me I strive for perfection. HI

73's

D2SG

MM0SSG

http://www.youtube.com/watch?v=OjVEmUw9SLw

http://www.youtube.com/watch?v=kJ5p_fGyHEc

http://www.youtube.com/watch?v=Oh9THFVCtKg

Yahoo! Groups Links

4143. Re: [acom-list] Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 17:35:59 UTC
From: briana
Topic: 4140 Message: 4143

I'm on my second 2000. Sold the first about 4 years ago. I saw the light
and got another.

My first impression on start up was "boy this one is really loud on
first startup".
Of course that was my recollection and could have been wrong. However
this has been confirmed by listening to the links here. It sounds about
10x louder than the first U tube link here. It's almost as if something
is attached to a sounding board to exaggerate the noise.

Any suggestions on a muffler?

73 de Brian/K3KO

On 5/15/2011 12:04 PM, Craig wrote:
>
>
> Hi Folks,
>
> I'm not sure this is an issue or not but please have look at the three
> you tube videos below showing startup sequence , now when the first
> two videos are played notice how the motor runs at the end ,on the
> first two videos its nice and smooth , when you watch the last video
> which is showing my amp starting you will notice it sounds a little
> jittery or sticky , can anyone have a listen to their amps an report back.
>
> Any feedback would be greatly appreciated ,
> unfortunately for me I strive for perfection. HI
>
> 73's
>
> D2SG
>
> MM0SSG
>
> http://www.youtube.com/watch?v=OjVEmUw9SLw
>
> http://www.youtube.com/watch?v=kJ5p_fGyHEc
>
> http://www.youtube.com/watch?v=Oh9THFVCtKg
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>

```
> Version: 10.0.1321 / Virus Database: 1500/3639 - Release Date: 05/15/11
>
```

4144. Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 19:59:43 UTC
From: W1JCW
Topic: 4140 Message: 4144

You have a tremendous amp that kicks butt over anything on the market !!

I love my 2000a and would never consider selling it.

It is a tank ! Turn it on, it calibrates and you are ready to ROCK !

Don?t worry about what little noises you here, does it put out ???
It most certainly does !

As Bob said...Its good !

73-
W1JCW
John

From: Bob Naumann
Sent: Sunday, May 15, 2011 12:17 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Motor Sound on Startup

After owning one of these since 1998, and also after testing and shipping dozens of new units over the last few years, I can certify that your amplifier and its stepper motor noises on startup are 100% normal.

The amount of noise and duration will vary somewhat depending on where the amp was tuned when it was shut off.

You will also hear a varying amount of sound when you change bands. Less when you go from one band to the next (20 to 17m for example) and more when you go from, for example, 160 to 10m and so on.

73,

Bob W5OV
Array Solutions
(Acom Dealer)

[Non-text portions of this message have been removed]

4145. Motor Question thanks

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 20:56:49 UTC
From: Craig
Topic: 4145 Message: 4145

Hi gents ,

thanks for all posts that'l do for me , yeah I imagine you will get different noises depending on where you have it. I love the noise anyway, im sure that noise should have a patent on it.
Bob meant to say tks for the great lead for my 590 cheers

Craig

D2SG
MM0SSG

P.S I have another question for the group i'll post under a different subject heading

4146. Re: [acom-list] Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-15 21:02:32 UTC
From: IVAN
Topic: 4140 Message: 4146

Hi,
I Have my ACOM 2000A from 2001 year, I have sometime any problems but
all solved with the Bulgarian ACOM TEAM !!
I think you know a bit about RADIO (??) please read the User Manual.
73?s
Ivan EA8YG

El 15/05/2011 18:35, briana escribi?:
> I'm on my second 2000. Sold the first about 4 years ago. I saw the light
> and got another.
>
> My first impression on start up was "boy this one is really loud on
> first startup".
> Of course that was my recollection and could have been wrong. However
> this has been confirmed by listening to the links here. It sounds about
> 10x louder than the first U tube link here. It's almost as if something
> is attached to a sounding board to exaggerate the noise.
>
> Any suggestions on a muffler?
>
> 73 de Brian/K3KO
>
>
> On 5/15/2011 12:04 PM, Craig wrote:
>>
>> Hi Folks,
>>
>> I'm not sure this is an issue or not but please have look at the three
>> you tube videos below showing startup sequence , now when the first
>> two videos are played notice how the motor runs at the end ,on the
>> first two videos its nice and smooth , when you watch the last video
>> which is showing my amp starting you will notice it sounds a little
>> jittery or sticky , can anyone have a listen to their amps an report back.
>>
>> Any feedback would be greatly appreciated ,
>> unfortunately for me I strive for perfection. HI
>>
>> 73's
>>
>> D2SG
>>
>> MM0SSG
>>
>> http://www.youtube.com/watch?v=OjVEmUw9SLw
>>

>> http://www.youtube.com/watch?v=kJ5p_fGyHEc
>>
>> http://www.youtube.com/watch?v=Oh9THFVCtKg
>>
>>
>> ---
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com<http://www.avg.com>
>> Version: 10.0.1321 / Virus Database: 1500/3639 - Release Date: 05/15/11
>>
>
>
> ---
>
> Yahoo! Groups Links
>
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>
>

4147. Re: [acom-list] Motor Sound on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-16 06:12:38 UTC
From: Hans Remeeus
Topic: 4140 Message: 4147

The Acom 2000A is even better than excellent; I love it and can't live
without it!

The noise of the motors during startup is quite normal and nothing to
worry about.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 15-5-2011 21:59, W1JCW schreef:
> You have a tremendous amp that kicks butt over anything on the market !!
>
> I love my 2000a and would never consider selling it.
>
> It is a tank ! Turn it on, it calibrates and you are ready to ROCK !
>
> Don't worry about what little noises you here, does it put out ???
> It most certainly does !
>
> As Bob said...Its good !
>
> 73-
> W1JCW
> John
>
>
> From: Bob Naumann
> Sent: Sunday, May 15, 2011 12:17 PM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] Motor Sound on Startup
>
>
>
> After owning one of these since 1998, and also after testing and shipping
> dozens of new units over the last few years, I can certify that your
> amplifier and its stepper motor noises on startup are 100% normal.
>
> The amount of noise and duration will vary somewhat depending on where the
> amp was tuned when it was shut off.
>
> You will also hear a varying amount of sound when you change bands. Less
> when you go from one band to the next (20 to 17m for example) and more when
> you go from, for example, 160 to 10m and so on.

>
> 73,
>
> Bob W5OV
> Array Solutions
> (Acom Dealer)
>
>
>
> [Non-text portions of this message have been removed]
>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>
>
>

[Non-text portions of this message have been removed]

4148. Tuning

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-16 15:02:57 UTC
From: Craig
Topic: 4148 Message: 4148

I have a question re the Acom 2000
I want to compare it to the Acom 1010

Ok on Acom 2000, 10m band the segments are 300 khz wide
So we tune at say the centre say on 28.150 right?

When I use my Acom 1010 if I centre on 28.150 for perfect tuning and I change the freq the radio to 28.000 or 28.300 then the indication lights indicate I must adjust the tuning for optimum performance which is achieved when making the necessary adjustments.
I have also noticed if your SWR is better say at 28.000 than at 28.300 then more re tuning is required at 28.300

Now my question is this, should the segments on the Acom 2000 be narrower on 10m for better performance and more accurate tuning or does this just apply to the manual tuning of the Acom 1010

What do you think?

D2SG

4149. Re: [acom-list] Tuning

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-16 15:47:06 UTC
From: Brian Alsop
Topic: 4148 Message: 4149

OM,

Thanks for the 20 and 30M QSO's.

Yes, the tuning segments are 300 KHz wide for 10M for the ACOM2000.
They appear adequate here with my tribander on 10M. However, I tune
them not for the center of the segment, but for the frequency that is
the average of the top+bottom segment SWR.

Depending upon how narrow band your antenna is, this may not be enough
to operate the 1010 over the entire segment without retuning. Don't
know anything about the 1010.

On 160M the ACOM 2000 segments are 25KHz wide. These are too wide--
especially as one gets away from antenna resonance. Antennas can be
pretty narrow banded on 160M.

73 de Brian/K3KO

On 5/16/2011 15:02, Craig wrote:
>
>
> I have a question re the Acom 2000
> I want to compare it to the Acom 1010
>
> Ok on Acom 2000, 10m band the segments are 300 khz wide
> So we tune at say the centre say on 28.150 right?
>
> When I use my Acom 1010 if I centre on 28.150 for perfect tuning and I
> change the freq the radio to 28.000 or 28.300 then the indication lights
> indicate I must adjust the tuning for optimum performance which is
> achieved when making the necessary adjustments.
> I have also noticed if your SWR is better say at 28.000 than at 28.300
> then more re tuning is required at 28.300
>
> Now my question is this, should the segments on the Acom 2000 be
> narrower on 10m for better performance and more accurate tuning or does
> this just apply to the manual tuning of the Acom 1010
>
> What do you think?
>
> D2SG
>

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1325 / Virus Database: 1500/3641 - Release Date: 05/16/11

4150. Re: Tuning

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-16 17:57:39 UTC
From: Craig
Topic: 4148 Message: 4150

My Pleasure OM,

and tks for the reply,

when you say "However, I tune them not for the center of the segment, but for the frequency that is the average of the top+bottom segment SWR" what do you mean by this ?

on 20m where i've only really used the amp so far i tune on 14.030 14.150 14.250 and 14.325 this is becsue i dont really TX between 14.060 and 14.100 very much so i see no point in tuning on 14.050 is this what your refering to ?

73

Craig
D2SG

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> OM,
>
> Thanks for the 20 and 30M QSO's.

>
> Yes, the tuning segments are 300 KHz wide for 10M for the ACOM2000.
> They appear adequate here with my tribander on 10M. However, I tune
> them not for the center of the segment, but for the frequency that is
> the average of the top+bottom segment SWR.
>
> Depending upon how narrow band your antenna is, this may not be enough
> to operate the 1010 over the entire segment without retuning. Don't
> know anything about the 1010.
>
> On 160M the ACOM 2000 segments are 25KHz wide. These are too wide--
> especially as one gets away from antenna resonance. Antennas can be
> pretty narrow banded on 160M.
>
> 73 de Brian/K3KO
>
>
> On 5/16/2011 15:02, Craig wrote:
> >
> >
> > I have a question re the Acom 2000
> > I want to compare it to the Acom 1010
> >
> > Ok on Acom 2000, 10m band the segments are 300 khz wide
> > So we tune at say the centre say on 28.150 right?

> >
> > When I use my Acom 1010 if I centre on 28.150 for perfect tuning and I
> > change the freq the radio to 28.000 or 28.300 then the indication lights
> > indicate I must adjust the tuning for optimum performance which is
> > achieved when making the necessary adjustments.
> > I have also noticed if your SWR is better say at 28.000 than at 28.300
> > then more re tuning is required at 28.300
> >
> > Now my question is this, should the segments on the Acom 2000 be
> > narrower on 10m for better performance and more accurate tuning or does
> > this just apply to the manual tuning of the Acom 1010
> >
> > What do you think?
> >
> > D2SG
> >
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1325 / Virus Database: 1500/3641 - Release Date: 05/16/11
>

4151. Re: ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-17 17:15:59 UTC
From: rich_al4s
Topic: 4122 Message: 4151

Thanks for the effort. We have two 2000As in need of control s/w.

Cheers,

Rich - AL4S & KL7AA
--- In acom-list@yahoogroups.com, "James Thresher" <yomengineering@...> wrote:
>
> I have recently been working on some new control software for the ACOM 2000,
> I've just released the first beta version of this on my website. If anyone
> would like to try it out I would welcome any feedback.
>
>
>
> You can grab a copy at www.m0yom.co.uk
>
>
>
> The features are basic at the moment but I am planning on adding many more
> features once I'm happy that the basics are working properly. The main
> planned feature is the ability to remote control the ACOM over a network or
> internet connection (this is the reason that I decided to develop this
> software to begin with, for remote operation of the station).
>
>
>
> Please keep in mind that this is very early beta software so there will
> likely be problems.
>
>
>
> Please send any feedback to james@... to save bandwidth on this
> reflector. If enough people like the software and want to use it then I will
> consider creating a separate reflector for discussion.
>
>
>
> Thanks
>
>
>
> 73 James M0YOM
>
>
>
> [Non-text portions of this message have been removed]

>

4152. Re: [acom-list] Re: ACOM Control Software

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-17 19:00:43 UTC
From: Steve Tripp (K1IIG-1)
Topic: 4122 Message: 4152

Rich and others,

I have a the Acom 10 port antenna switch, still in the box and never used if anyone is interested.

Steve
K1IIG

Thanks for the effort. We have two 2000As in need of control s/w.

Cheers,

Rich - AL4S & KL7AA
--- In acom-list@yahoogroups.com, "James Thresher" <yomengineering@...> wrote:
>
> I have recently been working on some new control software for the ACOM 2000,
> I've just released the first beta version of this on my website. If anyone
> would like to try it out I would welcome any feedback.
>
>
>
> You can grab a copy at www.m0yom.co.uk
>
>
>
> The features are basic at the moment but I am planning on adding many more
> features once I'm happy that the basics are working properly. The main
> planned feature is the ability to remote control the ACOM over a network or
> internet connection (this is the reason that I decided to develop this
> software to begin with, for remote operation of the station).
>
>
>
> Please keep in mind that this is very early beta software so there will
> likely be problems.
>
>
>
> Please send any feedback to james@... to save bandwidth on this
> reflector. If enough people like the software and want to use it then I will
> consider creating a separate reflector for discussion.
>
>
>
> Thanks
>

>
>
> 73 James M0YOM
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4153. (no subject)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-17 19:50:38 UTC
From: David J. Strout
Topic: 4153 Message: 4153

I also have an ACOM antenna switch, original, never used. For sale.
Dave, W2YC
djsatty@...

[Non-text portions of this message have been removed]

4154. Are Will and Krassy OK?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 03:39:54 UTC
From: hvwhvw
Topic: 4154 Message: 4154

On about May 4th I called Will about my 2000a. We discussed the problem and he said send it to him and he would see to it right away. I shipped it on May 5th. I called Tuesday the 10th and he had said he had not received it. I tried calling him again Thursday the 12th but could not get him. The phone numbers on the Acom site said they were temporarily disconnected. His cell phone did not answer so I left a message. I found that when they work all the numbers listed on the Acom site ring to Will's cell phone. Called again on following days and was unable to reach him. Finally on Tuesday 24th I got him and he said he was home sick but he would call me as soon as he got back to the office. I tried again Friday (27th) and could not get him. Called Bob at Array Solutions thinking he might have heard something. He said he has not spoken with Will in a very long time. He mentioned that had heard from someone else that was having similar problems. I sent Will and Krassy an email expressing my concern. Still no response. Does anyone know if they are ok?

Many thanks.

Hal - K4HW

4155. ACOM 1010 or 1011 schematics find

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 11:07:58 UTC
From: ua0km
Topic: 4155 Message: 4155

I find schematics diagram ACOM 1010, or plate-load True Resistance Indicator (TRI)schematic only.

Vic RW0IM

4156. RE: [acom-list] Are Will and Krassy OK?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 12:35:19 UTC
From: Mel Whitten
Topic: 4154 Message: 4156

K1LZ was in the cw contest this past weekend.

Mel

K0PFX

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of hvwhvw
Sent: Monday, May 30, 2011 10:40 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Are Will and Krassy OK?

On about May 4th I called Will about my 2000a. We discussed the problem and he said send it to him and he would see to it right away. I shipped it on May 5th. I called Tuesday the 10th and he had said he had not received it. I tried calling him again Thursday the 12th but could not get him. The phone numbers on the Acom site said they were temporarily disconnected. His cell phone did not answer so I left a message. I found that when they work all the numbers listed on the Acom site ring to Will's cell phone. Called again on following days and was unable to reach him. Finally on Tuesday 24th I got him and he said he was home sick but he would call me as soon as he got back to the office. I tried again Friday (27th) and could not get him. Called Bob at Array Solutions thinking he might have heard something. He said he has not spoken with Will in a very long time. He mentioned that had heard from someone else that was having similar problems. I sent Will and Krassy an email expressing my concern. Still no response. Does anyone know if they are ok?

Many thanks.

Hal - K4HW

[Non-text portions of this message have been removed]

4157. Re: Are Will and Krassy OK?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 17:45:50 UTC
From: dickgreen03755
Topic: 4154 Message: 4157

Krassy operated in the CQ WPX CW contest this weekend. He posted the winning score in the USA SOAB HP category. I'd say he's just fine.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "hvwhvw" <k4hw@...> wrote:
>
> On about May 4th I called Will about my 2000a. We discussed the problem and he said send it to him and he would see to it right away. I shipped it on May 5th. I called Tuesday the 10th and he had said he had not received it. I tried calling him again Thursday the 12th but could not get him. The phone numbers on the Acom site said they were temporarily disconnected. His cell phone did not answer so I left a message. I found that when they work all the numbers listed on the Acom site ring to Will's cell phone. Called again on following days and was unable to reach him. Finally on Tuesday 24th I got him and he said he was home sick but he would call me as soon as he got back to the office. I tried again Friday (27th) and could not get him. Called Bob at Array Solutions thinking he might have heard something. He said he has not spoken with Will in a very long time. He mentioned that had heard from someone else that was having similar problems. I sent Will and Krassy an email expressing my concern. Still no response. Does anyone know if they are ok?
>
> Many thanks.
>
> Hal - K4HW
>

4158. Re: [acom-list] Re: Are Will and Krassy OK?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 17:47:50 UTC
From: Paul M Dunphy
Topic: 4154 Message: 4158

At 02:45 PM 5/31/2011, you wrote:
>Krassy operated in the CQ WPX CW contest this weekend. He posted the
>winning score in the USA SOAB HP category. I'd say he's just fine.
>
>73, Dick WC1M

So if the smoke leaks out of my ACOM amp and it won't go
anymore, who do I call?

73, Paul VE1DX

4159. Re: Are Will and Krassy OK?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 18:29:41 UTC
From: n5qs
Topic: 4154 Message: 4159

Ghostbusters

73, Roger, N5QS

--- In acom-list@yahoogroups.com, Paul M Dunphy <amplifier@...> wrote:
>
> At 02:45 PM 5/31/2011, you wrote:
> >Krassy operated in the CQ WPX CW contest this weekend. He posted the
> >winning score in the USA SOAB HP category. I'd say he's just fine.
> >
> >73, Dick WC1M
>
> So if the smoke leaks out of my ACOM amp and it won't go
> anymore, who do I call?
>
> 73, Paul VE1DX
>

4160. Re: Are Will and Krassy OK?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-05-31 18:35:14 UTC
From: hvwhvw
Topic: 4154 Message: 4160

I finally got to talk with Will and he says he is still not doing too well but hopes to be better soon. Thanks Mel.

73

Hal ☐ K4HW

--- In acom-list@yahoogroups.com, "Mel Whitten" <mel@...> wrote:
>
> K1LZ was in the cw contest this past weekend.
>
> Mel
>
> K0PFX
>
>
>
>
>
>
> _____
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of hvwhvw
> Sent: Monday, May 30, 2011 10:40 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Are Will and Krassy OK?
>
>
>
>
>
>
> On about May 4th I called Will about my 2000a. We discussed the problem and
> he said send it to him and he would see to it right away. I shipped it on
> May 5th. I called Tuesday the 10th and he had said he had not received it. I
> tried calling him again Thursday the 12th but could not get him. The phone
> numbers on the Acom site said they were temporarily disconnected. His cell
> phone did not answer so I left a message. I found that when they work all
> the numbers listed on the Acom site ring to Will's cell phone. Called again
> on following days and was unable to reach him. Finally on Tuesday 24th I got
> him and he said he was home sick but he would call me as soon as he got back
> to the office. I tried again Friday (27th) and could not get him. Called Bob
> at Array Solutions thinking he might have heard something. He said he has
> not spoken with Will in a very long time. He mentioned that had heard from
> someone else that was having similar problems. I sent Will and Krassy an
> email expressing my concern. Still no response. Does anyone know if they are
> ok?

>
> Many thanks.
>
> Hal - K4HW
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4161. Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-08 22:35:52 UTC
From: Seli O
Topic: 4161 Message: 4161

Hello all,
I own an Acom 1000 and has performed very well.
Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
What to look for, or don't worry at all?

73 Seli TF3AO

4162. "Auto protection:PR26"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-09 11:09:05 UTC
From: Andrew Cowan
Topic: 4162 Message: 4162

Been having some problems with my Acom 1000 after a short time it will "Auto protection:PR26"

I have left it on standby for a number of hours and it has no faults, I put the radio on tx with no drive for 30mins plate current at 80ma no fault, than I tuned up the amp with drive and it tripped "Auto protection:PR26"

I have copied the fault codes below

1ATR6B 000006 0F0000
1BAD98 7720DE D77FD7
2ASB2B 000000 000000
2BAF9D 0320DC D77FES
3ASB2B 270000 000000
3BAF9F 0720DC D77FC9
4APR26 000000 0400FF
5BA59F 7720DC D77F63
5APR26 000000 0400FF
5BA8A0 7720DC D77F51
6APR26 000000 0500FF
6BA4A3 7720DC D77F5F
7ASB2B 000000 000000
7BAF9E 0720DC D77FEF

Any ideas

Thanks

Andrew GM0UDL

4163. Re: "Auto protection:PR26"

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-10 19:45:50 UTC
From: martin_kh6mb
Topic: 4162 Message: 4163

Hi Andrew,

I would take a good close look at your antenna relay K1. Looks like it may be at fault. The previous faults also indicate a problem there.

- Martin
--- In acom-list@yahoogroups.com, Andrew Cowan <gm0udlandrew@...> wrote:
>
> Been having some problems with my Acom 1000 after a short time it will
> "Auto protection:PR26"
>
> I have left it on standby for a number of hours and it has no faults, I
> put the radio on tx with no drive for 30mins plate current at 80ma no
> fault, than I tuned up the amp with drive and it tripped "Auto
> protection:PR26"
>
> I have copied the fault codes below
>
> 1ATR6B 000006 0F0000
> 1BAD98 7720DE D77FD7
> 2ASB2B 000000 000000
> 2BAF9D 0320DC D77FES
> 3ASB2B 270000 000000
> 3BAF9F 0720DC D77FC9
> 4APR26 000000 0400FF
> 5BA59F 7720DC D77F63
> 5APR26 000000 0400FF
> 5BA8A0 7720DC D77F51
> 6APR26 000000 0500FF
> 6BA4A3 7720DC D77F5F
> 7ASB2B 000000 000000
> 7BAF9E 0720DC D77FEF
>
> Any ideas
>
> Thanks
>
> Andrew GM0UDL
>

4164. Re: Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-10 20:13:00 UTC
From: martin_kh6mb
Topic: 4161 Message: 4164

Hi Seli,

Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.

- Martin

--- In acom-list@yahoogroups.com, "Seli O" <tf3ao@...> wrote:
>
> Hello all,
> I own an Acom 1000 and has performed very well.
> Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> What to look for, or don't worry at all?
>
> 73 Seli TF3AO
>

4165. Acom 1000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-13 15:13:03 UTC
From: filip
Topic: 4165 Message: 4165

Hello all,

I have for sale a Acom 1000
Price: 1900 euro

73,
Philip

4166. Re: Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-13 20:36:16 UTC
From: Seli O
Topic: 4161 Message: 4166

Hi Martin, thanks for the suggestion. Tried that, but no luck.
Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.
73 Seli TF3AO

--- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@...> wrote:
>
> Hi Seli,
>
> Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.
>
> - Martin
>
> --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> >
> > Hello all,
> > I own an Acom 1000 and has performed very well.
> > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> > What to look for, or don't worry at all?
> >
> > 73 Seli TF3AO
> >
>

4167. Re: Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-14 21:46:45 UTC
From: Seli O
Topic: 4161 Message: 4167

Hello again,

Got a direct e-mail from Raymond, GM0VRP, where he wrote:
"At the start of the year I had a rattling noise which I thought was coming from behind the front cover,
I opened the amp up looked behind the front cover could here the rely chattering away which I thought was faulty.
A closer inspection was an electrolytic capacitor 25V, 3300UF on the main board had gone once this was replaced all was well again
In the pictures you can see the faulty capacitor"

I opened my amp. and yes, the same story with the capacitor. So it's already out now, and plan to replace it as soon as I get a correct cap.
For visual inspection I have uploaded, with permission, Raymonds pictures in the photo section of the reflector.
My pictures will be uploaded later.

73 Seli TF3AO

--- In acom-list@yahoogroups.com, "Seli O" <tf3ao@...> wrote:
>
> Hi Martin, thanks for the suggestion. Tried that, but no luck.
> Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.
> 73 Seli TF3AO
>
>
> --- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@> wrote:
> >
> > Hi Seli,
> >
> > Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.
> >
> > - Martin
> >
> > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > >
> > > Hello all,
> > > I own an Acom 1000 and has performed very well.
> > > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> > > What to look for, or don't worry at all?
> > >
> > > 73 Seli TF3AO

> > >
> >
>

4168. RE: [acom-list] Re: Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-16 10:29:37 UTC
From: Kees - pa7two
Topic: 4161 Message: 4168

Thanks for sharing this information, highly appreciated.

Looking forward to your uploaded photos Seli!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: tf3ao@simnet.is
Date: Tue, 14 Jun 2011 21:46:45 +0000
Subject: [acom-list] Re: Acom 1000 rattling noise

Hello again,

Got a direct e-mail from Raymond, GM0VRP, where he wrote:

"At the start of the year I had a rattling noise which I thought was coming from behind the front cover,

I opened the amp up looked behind the front cover could here the rely chattering away which I thought was faulty.

A closer inspection was an electrolytic capacitor 25V, 3300UF on the main board had gone once this was replaced all was well again

In the pictures you can see the faulty capacitor"

I opened my amp. and yes, the same story with the capacitor. So it's already out now, and plan to replace it as soon as I get a correct cap.

For visual inspection I have uploaded, with permission, Raymonds pictures in the photo section of the reflector.

My pictures will be uploaded later.

73 Seli TF3AO

--- In acom-list@yahoogroups.com, "Seli O" <tf3ao@...> wrote:

>

> Hi Martin, thanks for the suggestion. Tried that, but no luck.

> Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.

> 73 Seli TF3AO

>

>

> --- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@> wrote:

> >

> > Hi Seli,

> >

> > Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.

> >

> > - Martin

> >

> > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:

> > >

> > > Hello all,

> > > I own an Acom 1000 and has performed very well.

> > > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.

> > > What to look for, or don't worry at all?

> > >

> > > 73 Seli TF3AO

> > >

> >

>

[Non-text portions of this message have been removed]

4169. Re: Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-16 19:43:01 UTC
From: Andrey
Topic: 4161 Message: 4169

The electrolytic caps in the older ACOM amps seem to be a common problem. Some of the older amps have Bulgarian-made electrolytic caps (logo with the letter K and capcitor circuit around it) and these often fail. When I bought my ACOM 1000, the ams was 4 years old and very lightly used. I had to replace a whole bunch of electrolytic caps - most of them on the main board (not the PS) have leaked electrolyte or looked swollen (similar to the condition known as "capacitor plague"). Never had a problem since I replaced them.
I've heard of other people having problems with electrolytic caps in these amps - at least replacement caps are easy to find and inexpensive.

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Seli O" <tf3ao@...> wrote:
>
>
>
> Hello again,
>
> Got a direct e-mail from Raymond, GM0VRP, where he wrote:
> "At the start of the year I had a rattling noise which I thought was coming from behind the front cover,
> I opened the amp up looked behind the front cover could here the rely chattering away which I thought was faulty.
> A closer inspection was an electrolytic capacitor 25V, 3300UF on the main board had gone once this was replaced all was well again
> In the pictures you can see the faulty capacitor"
>
> I opened my amp. and yes, the same story with the capacitor. So it's already out now, and plan to replace it as soon as I get a correct cap.
> For visual inspection I have uploaded, with permission, Raymonds pictures in the photo section of the reflector.
> My pictures will be uploaded later.
>
> 73 Seli TF3AO
>
> --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> >
> > Hi Martin, thanks for the suggestion. Tried that, but no luck.
> > Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.
> > 73 Seli TF3AO
> > >
> > >
> > > --- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@> wrote:
> > > >

> > > Hi Seli,
> > >
> > > Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.
> > >
> > > - Martin
> > >
> > > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > > >
> > > > Hello all,
> > > > I own an Acom 1000 and has performed very well.
> > > > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> > > > What to look for, or don't worry at all?
> > > >
> > > > 73 Seli TF3AO
> > > >
> > >
> >
>

4170. Re: Acom 1000 rattling noise

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-17 10:32:09 UTC
From: Seli O
Topic: 4161 Message: 4170

This capacitor is made by Hitano, also marked "ECR VENT 2B15" and the PCB is marked "SEP - 2001".
There are 2 shops in Reykjavik I could get this capacitor from, but this week they are both closed, so have to wait until monday. Today the 17th of June, we are celebrating our Independence Day.

73 Seli TF3AO

--- In acom-list@yahoogroups.com, "Andrey" <kotjunk@...> wrote:
>
> The electrolytic caps in the older ACOM amps seem to be a common problem. Some of the older amps have Bulgarian-made electrolytic caps (logo with the letter K and capcitor circuit around it) and these often fail. When I bought my ACOM 1000, the ams was 4 years old and very lightly used. I had to replace a whole bunch of electrolytic caps - most of them on the main board (not the PS) have leaked electrolyte or looked swollen (similar to the condition known as "capacitor plague"). Never had a problem since I replaced them.
> I've heard of other people having problems with electrolytic caps in these amps - at least replacement caps are easy to find and inexpensive.
>
> 73
> de Andrey, AE1S
>
> --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> >
> >
> >
> > Hello again,
> >
> > Got a direct e-mail from Raymond, GM0VRP, where he wrote:
> > "At the start of the year I had a rattling noise which I thought was coming from behind the front cover,
> > I opened the amp up looked behind the front cover could here the rely chattering away which I thought was faulty.
> > A closer inspection was an electrolytic capacitor 25V, 3300UF on the main board had gone once this was replaced all was well again
> > In the pictures you can see the faulty capacitor"
> >
> > I opened my amp. and yes, the same story with the capacitor. So it's already out now, and plan to replace it as soon as I get a correct cap.
> > For visual inspection I have uploaded, with permission, Raymonds pictures in the photo section of the reflector.
> > My pictures will be uploaded later.
> >
> > 73 Seli TF3AO
> >

> > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > >
> > > Hi Martin, thanks for the suggestion. Tried that, but no luck.
> > > Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.
> > > 73 Seli TF3AO
> > >
> > >
> > > --- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@> wrote:
> > > >
> > > > Hi Seli,
> > > >
> > > > Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.
> > > >
> > > > - Martin
> > > >
> > > > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > > > >
> > > > > Hello all,
> > > > > I own an Acom 1000 and has performed very well.
> > > > > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> > > > > What to look for, or don't worry at all?
> > > > >
> > > > > 73 Seli TF3AO
> > > > >
> > > >
> > > >
> > >
> > >
> >
>

4171. Acom 2000 no bias

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-18 13:21:24 UTC
From: Kenneth
Topic: 4171 Message: 4171

Time for a repair.
Warms up, but when it then is about to play its song and switch to standby, I get message "Bias Too Low At Power ON -000 Volts".

Is this an easily repairable problem, Or should I pack to ship?

Ken K5WK

4172. Acom 2000 no bias

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-18 14:50:43 UTC
From: D G
Topic: 4171 Message: 4172

Could be a defective final tube, or other componentns, but likely the tube.

To: acom-list@yahoogroups.com
From: kenw817821@...
Date: Sat, 18 Jun 2011 13:21:24 +0000
Subject: [acom-list] Acom 2000 no bias

Time for a repair.
Warms up, but when it then is about to play its song and switch to standby, I get message "Bias Too Low At Power ON -000 Volts".

Is this an easily repairable problem, Or should I pack to ship?

Ken K5WK

[Non-text portions of this message have been removed]

4173. Re: [acom-list] Acom 2000 no bias

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-18 16:30:25 UTC
From: Barry N1EU
Topic: 4171 Message: 4173

On Sat, Jun 18, 2011 at 2:50 PM, D G <radiodg@...> wrote:
>
> Could be a defective final tube, or other components, but likely the tube.

Agreed. But you might also search older messages in the Yahoo group
because this issue has come up before:

http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search\
&charset=windows-1252

73, Barry N1EU

4174. Re: Acom 1000 rattling noise Problem solved

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-20 20:27:35 UTC
From: Seli O
Topic: 4161 Message: 4174

Just replaced the capacitor in question and bingo, everything works fine now. Have uploaded 3 pictures, but they are not as good as GM0VRP's pictures. Thanks again Raymond for info on your repair.
Suggest to others to take the top lid off and look if this capacitor is OK.

73 Seli TF3AO

--- In acom-list@yahoogroups.com, "Seli O" <tf3ao@...> wrote:
>
> This capacitor is made by Hitano, also marked "ECR VENT 2B15" and the PCB is marked "SEP - 2001".
> There are 2 shops in Reykjavik I could get this capacitor from, but this week they are both closed, so have to wait until monday. Today the 17th of June, we are celebrating our Independence Day.
>
> 73 Seli TF3AO
>
>
> --- In acom-list@yahoogroups.com, "Andrey" <kotjunk@> wrote:
> >
> > The electrolytic caps in the older ACOM amps seem to be a common problem. Some of the older amps have Bulgarian-made electrolytic caps (logo with the letter K and capcitor circuit around it) and these often fail. When I bought my ACOM 1000, the ams was 4 years old and very lightly used. I had to replace a whole bunch of electrolytic caps - most of them on the main board (not the PS) have leaked electrolyte or looked swollen (similar to the condition known as "capacitor plague"). Never had a problem since I replaced them.
> > I've heard of other people having problems with electrolytic caps in these amps - at least replacement caps are easy to find and inexpensive.
> >
> > 73
> > de Andrey, AE1S
> >
> > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > >
> > >
> > >
> > > Hello again,
> > >
> > > Got a direct e-mail from Raymond, GM0VRP, where he wrote:
> > > "At the start of the year I had a rattling noise which I thought was coming from behind the front cover,
> > > I opened the amp up looked behind the front cover could here the rely chattering away which I thought was faulty.
> > > A closer inspection was an electrolytic capacitor 25V, 3300UF on the main board had gone once this was replaced all was well again

> > > In the pictures you can see the faulty capacitor"
> > >
> > > I opened my amp. and yes, the same story with the capacitor. So it's already out now, and plan to replace it as soon as I get a correct cap.
> > > For visual inspection I have uploaded, with permission, Raymonds pictures in the photo section of the reflector.
> > > My pictures will be uploaded later.
> > >
> > > 73 Seli TF3AO
> > >
> > > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > > >
> > > > Hi Martin, thanks for the suggestion. Tried that, but no luck.
> > > > Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.
> > > > 73 Seli TF3AO
> > > >
> > > >
> > > > --- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@> wrote:
> > > > >
> > > > > Hi Seli,
> > > > >
> > > > > Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.
> > > > >
> > > > > - Martin
> > > > >
> > > > > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > > > > >
> > > > > > Hello all,
> > > > > > I own an Acom 1000 and has performed very well.
> > > > > > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> > > > > > What to look for, or don't worry at all?
> > > > > >
> > > > > > 73 Seli TF3AO
> > > > > >
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4175. Voltage selection of Acom 1010.

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-21 00:25:22 UTC
From: py1eb
Topic: 4175 Message: 4175

Hello all.
I tryed to find how to select the jumpers inside the Acom 1010. I need to change from 220V to 110V and the manual doesn´t show it.

Thanks and 73,

Eduardo - PY1EB.

4176. Re: [acom-list] Re: Acom 1000 rattling noise Problem solved

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-21 08:41:36 UTC
From: Raymond Phillips
Topic: 4161 Message: 4176

Glad you have got it back up and running Seli
Hope to catch you on the bands some day 73

Rgds Raymond GM0VRP

--- On Mon, 20/6/11, Seli O <tf3ao@...> wrote:

From: Seli O <tf3ao@...>
Subject: [acom-list] Re: Acom 1000 rattling noise Problem solved
To: acom-list@yahoogroups.com
Date: Monday, 20 June, 2011, 21:27

Just replaced the capacitor in question and bingo, everything works fine now. Have uploaded 3 pictures, but they are not as good as GM0VRP's pictures. Thanks again Raymond for info on your repair.
Suggest to others to take the top lid off and look if this capacitor is OK.

73 Seli TF3AO

--- In acom-list@yahoogroups.com, "Seli O" <tf3ao@...> wrote:
>
> This capacitor is made by Hitano, also marked "ECR VENT 2B15" and the PCB is marked "SEP - 2001".
> There are 2 shops in Reykjavik I could get this capacitor from, but this week they are both closed, so have to wait until monday. Today the 17th of June, we are celebrating our Independence Day.
>
> 73 Seli TF3AO
>
>
> --- In acom-list@yahoogroups.com, "Andrey" <kotjunk@> wrote:
> >
> > The electrolytic caps in the older ACOM amps seem to be a common problem. Some of the older amps have Bulgarian-made electrolytic caps (logo with the letter K and capcitor circuit around it) and these often fail. When I bought my ACOM 1000, the ams was 4 years old and very lightly used. I had to replace a whole bunch of electrolytic caps - most of them on the main board (not the PS) have leaked electrolyte or looked swollen (similar to the condition known as "capacitor plague"). Never had a problem since I replaced them.
> > I've heard of other people having problems with electrolytic caps in these amps - at least replacement caps are easy to find and inexpensive.
> >
> > 73
> > de Andrey, AE1S
> >
> > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > >

> > >
> > >
> > > Hello again,
> > >
> > > Got a direct e-mail from Raymond, GM0VRP, where he wrote:
> > > "At the start of the year I had a rattling noise which I thought was coming from behind the front cover,
> > > I opened the amp up looked behind the front cover could here the rely chattering away which I thought was faulty.
> > > A closer inspection was an electrolytic capacitor 25V, 3300UF on the main board had gone once this was replaced all was well again
> > > In the pictures you can see the faulty capacitor"
> > >
> > > I opened my amp. and yes, the same story with the capacitor. So it's already out now, and plan to replace it as soon as I get a correct cap.
> > > For visual inspection I have uploaded, with permission, Raymonds pictures in the photo section of the reflector.
> > > My pictures will be uploaded later.
> > >
> > > 73 Seli TF3AO
> > >
> > > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > > >
> > > > Hi Martin, thanks for the suggestion. Tried that, but no luck.
> > > > Next is to open the amp. and try to find where the noise is coming from. Hopefully nothing serious. Will post if/when I find something.
> > > > 73 Seli TF3AO
> > > >
> > > >
> > > > --- In acom-list@yahoogroups.com, "martin_kh6mb" <longwave77586@> wrote:
> > > > >
> > > > > Hi Seli,
> > > > >
> > > > > Remove the KEY IN cable from your Xcvr to your amp. When removed and you push the OPER button does the noise show up ? I would be concerned about such a noise.
> > > > >
> > > > > - Martin
> > > > >
> > > > > --- In acom-list@yahoogroups.com, "Seli O" <tf3ao@> wrote:
> > > > > >
> > > > > > Hello all,
> > > > > > I own an Acom 1000 and has performed very well.
> > > > > > Just a small problem this evening. When it has heated up for the normal time and I push the OPER button, I have a rattling noise, like a relay that doesn't contact normally. This noise disappear when I have left the amp alone for 5-10 minutes.
> > > > > > What to look for, or don't worry at all?
> > > > > >
> > > > > > 73 Seli TF3AO
> > > > > >
> > > > >

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>

[Non-text portions of this message have been removed]

4177. FOR SALE: LIKE NEW ACOM 2000A 2 KW ++ HF AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-21 16:19:52 UTC
From: n3dg
Topic: 4177 Message: 4177

ACOM 2000A Amplifier delivers 2 KW ++ Continuous Duty on 160-10 Meters CW/SSB/RTTY/AM with Automatic Tuning, Internal Automatic Antenna Tuner, Full Break-In QSK, Split Second Band Changes, Remote Control with Display of Power Output, SWR, Temperature, Automatic Tuner, etc. ACOM 2000A is the most advanced, proven, rugged and innovative HF amplifier around. She is Like New and has just been sitting rarely used in a non-smoking home, delivers 2400 Watts with 60 Watts drive, and is enabled to work on all bands including 160, 80/75, 40, 30, 20, 17, 15, 12, 10 Meters.

ACOM 2000A Features & Specifications:

http://www.acom-bg.com/index.php?option=com_content&view=category&layout=blog&id=37&Itemid=67

ACOM 2000A Video Tour:
http://www.youtube.com/watch?v=o9PFQ5OSp7k&feature=related

ACOM 2000A Demonstration at 2400+ Watts into a Dummy Load:

http://www.youtube.com/watch?v=yLfNzTjvbAM&feature=related

This ACOM 2000A has been hardly used, is in Mint Condition, Finals are Like New, still under warranty with the ACOM 2000A Remote Control Unit, Optional Auxiliary Cooling Fan for Continuous Duty modes, Original ACOM 2000A Owners Manual and both original ACOM Cartons for Amplifier (double ACOM cartons) and Transformer (shipped separately), she has just been sitting on the shelf rarely used fully tested at over 2 KW on all HF bands. New price is over $7000 plus tax and shipping for the ACOM 2000A, this one is Like New and Mint at $5500 plus shipping and insurance delivered to your door (Certified Bank Cashiers Check, Cash, Western Union Money Transfer or Cash & Carry; no checks, credit cards or PayPal accepted), serious buyers only for this Like New ACOM 2000A.

4178. RE: [acom-list] FOR SALE: LIKE NEW ACOM 2000A 2 KW HF AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-21 17:36:43 UTC
From: filip .
Topic: 4177 Message: 4178

Also for sale: Acom 1000
from first owner, solid 1000 Watts out.
Like new & mint, price : 1875 euro plus shipping
Location: Belgium

To: acom-list@yahoogroups.com
From: radiodg@...
Date: Tue, 21 Jun 2011 16:19:52 +0000
Subject: [acom-list] FOR SALE: LIKE NEW ACOM 2000A 2 KW ++ HF AMPLIFIER

ACOM 2000A Amplifier delivers 2 KW ++ Continuous Duty on 160-10 Meters CW/SSB/RTTY/AM with Automatic Tuning, Internal Automatic Antenna Tuner, Full Break-In QSK, Split Second Band Changes, Remote Control with Display of Power Output, SWR, Temperature, Automatic Tuner, etc. ACOM 2000A is the most advanced, proven, rugged and innovative HF amplifier around. She is Like New and has just been sitting rarely used in a non-smoking home, delivers 2400 Watts with 60 Watts drive, and is enabled to work on all bands including 160, 80/75, 40, 30, 20, 17, 15, 12, 10 Meters.

ACOM 2000A Features & Specifications:

http://www.acom-bg.com/index.php?option=com_content&view=category&layout=blog&id=37&Itemid=67

ACOM 2000A Video Tour:

http://www.youtube.com/watch?v=o9PFQ5OSp7k&feature=related

ACOM 2000A Demonstration at 2400+ Watts into a Dummy Load:

http://www.youtube.com/watch?v=yLfNzTjvbAM&feature=related

This ACOM 2000A has been hardly used, is in Mint Condition, Finals are Like New, still under warranty with the ACOM 2000A Remote Control Unit, Optional Auxiliary Cooling Fan for Continuous Duty modes, Original ACOM 2000A Owners Manual and both original ACOM Cartons for Amplifier (double ACOM cartons) and Transformer (shipped separately), she has just been sitting on the shelf rarely used fully tested at over 2 KW on all HF bands. New price is over $7000 plus tax and shipping for the ACOM 2000A, this one is Like New and Mint at $5500 plus shipping and insurance delivered to your door (Certified Bank Cashiers Check, Cash, Western Union Money Transfer or Cash & Carry; no checks, credit cards or PayPal accepted), serious buyers only for this Like New ACOM 2000A.

[Non-text portions of this message have been removed]

4179. Re: [acom-list] FOR SALE: LIKE NEW ACOM 2000A 2 KW ++ HF AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-21 22:35:37 UTC
From: paul glassman
Topic: 4177 Message: 4179

N3DG HAS A 2000A FOR SALE. Here is feedback for Dennis left on qth.com. Read all before sending money. there is more. go to qth.com and enter Dennis Gezak in the feedback search.
Best 73 Paulo w8jn
http://chat.qth.com/viewtopic.php?t=2636&highlight=n3dg
http://chat.qth.com/viewtopic.php?t=4642&highlight=n3dg
http://chat.qth.com/viewtopic.php?t=5941&highlight=n3dg
http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

[Non-text portions of this message have been removed]

4180. Re: [acom-list] FOR SALE: LIKE NEW ACOM 2000A 2 KW ++ HF AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-22 04:06:46 UTC
From: Peter Bucy
Topic: 4177 Message: 4180

This sounds like a big scam to me. You don't take credit cards or Paypal payments. Are people really this stupid? The write-ups about you on QTH are pretty damning too. Do you really expect someone to send you a cashiers check for that kind of money for an amp that they may never see or that may be in substandard condition.

Pete

On 6/21/2011 12:19 PM, n3dg wrote:
> ACOM 2000A Amplifier delivers 2 KW ++ Continuous Duty on 160-10
> Meters CW/SSB/RTTY/AM with Automatic Tuning, Internal Automatic
> Antenna Tuner, Full Break-In QSK, Split Second Band Changes, Remote
> Control with Display of Power Output, SWR, Temperature, Automatic
> Tuner, etc. ACOM 2000A is the most advanced, proven, rugged and
> innovative HF amplifier around. She is Like New and has just been
> sitting rarely used in a non-smoking home, delivers 2400 Watts with
> 60 Watts drive, and is enabled to work on all bands including 160,
> 80/75, 40, 30, 20, 17, 15, 12, 10 Meters.
>
> ACOM 2000A Features& Specifications:
>
> http://www.acom-bg.com/index.php?option=com_content&view=category&layout=blog&id=37&Itemid=67
>
> ACOM 2000A Video Tour:
> http://www.youtube.com/watch?v=o9PFQ5OSp7k&feature=related
>
> ACOM 2000A Demonstration at 2400+ Watts into a Dummy Load:
>
> http://www.youtube.com/watch?v=yLfNzTjvbAM&feature=related
>
> This ACOM 2000A has been hardly used, is in Mint Condition, Finals
> are Like New, still under warranty with the ACOM 2000A Remote Control
> Unit, Optional Auxiliary Cooling Fan for Continuous Duty modes,
> Original ACOM 2000A Owners Manual and both original ACOM Cartons for
> Amplifier (double ACOM cartons) and Transformer (shipped separately),
> she has just been sitting on the shelf rarely used fully tested at
> over 2 KW on all HF bands. New price is over $7000 plus tax and
> shipping for the ACOM 2000A, this one is Like New and Mint at $5500
> plus shipping and insurance delivered to your door (Certified Bank
> Cashiers Check, Cash, Western Union Money Transfer or Cash& Carry;
> no checks, credit cards or PayPal accepted), serious buyers only for
> this Like New ACOM 2000A.
>

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>
> Yahoo! Groups Links
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Pete

KD4CQZ

4181. Re: [acom-list] FOR SALE: LIKE NEW ACOM 2000A 2 KW ++ HF AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-22 11:45:27 UTC
From: paul glassman
Topic: 4177 Message: 4181

Hi Pete, Looks like Mr. Gezak has crawled back out from under his rock. He thinks we are all pretty stupid! Paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Wed, 6/22/11, Peter Bucy <petebucy@...> wrote:

From: Peter Bucy <petebucy@...>
Subject: Re: [acom-list] FOR SALE: LIKE NEW ACOM 2000A 2 KW ++ HF AMPLIFIER
To: acom-list@yahoogroups.com
Date: Wednesday, June 22, 2011, 12:06 AM

This sounds like a big scam to me. You don't take credit cards or Paypal

payments. Are people really this stupid? The write-ups about you on QTH

are pretty damning too. Do you really expect someone to send you a

cashiers check for that kind of money for an amp that they may never see

or that may be in substandard condition.

Pete

On 6/21/2011 12:19 PM, n3dg wrote:

> ACOM 2000A Amplifier delivers 2 KW ++ Continuous Duty on 160-10

> Meters CW/SSB/RTTY/AM with Automatic Tuning, Internal Automatic

> Antenna Tuner, Full Break-In QSK, Split Second Band Changes, Remote

> Control with Display of Power Output, SWR, Temperature, Automatic

> Tuner, etc. ACOM 2000A is the most advanced, proven, rugged and

> innovative HF amplifier around. She is Like New and has just been

> sitting rarely used in a non-smoking home, delivers 2400 Watts with

> 60 Watts drive, and is enabled to work on all bands including 160,

> 80/75, 40, 30, 20, 17, 15, 12, 10 Meters.

>

> ACOM 2000A Features& Specifications:

>

> http://www.acom-bg.com/index.php?option=com_content&view=category&layout=blog&id=37&Itemid=67

>

> ACOM 2000A Video Tour:

> http://www.youtube.com/watch?v=o9PFQ5OSp7k&feature=related

>

> ACOM 2000A Demonstration at 2400+ Watts into a Dummy Load:

>

> http://www.youtube.com/watch?v=yLfNzTjvbAM&feature=related

>

> This ACOM 2000A has been hardly used, is in Mint Condition, Finals

> are Like New, still under warranty with the ACOM 2000A Remote Control

> Unit, Optional Auxiliary Cooling Fan for Continuous Duty modes,

> Original ACOM 2000A Owners Manual and both original ACOM Cartons for

> Amplifier (double ACOM cartons) and Transformer (shipped separately),

> she has just been sitting on the shelf rarely used fully tested at

> over 2 KW on all HF bands. New price is over $7000 plus tax and

> shipping for the ACOM 2000A, this one is Like New and Mint at $5500

> plus shipping and insurance delivered to your door (Certified Bank

> Cashiers Check, Cash, Western Union Money Transfer or Cash& Carry;

> no checks, credit cards or PayPal accepted), serious buyers only for

> this Like New ACOM 2000A.

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> Yahoo! Groups Links

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Pete

KD4CQZ

[Non-text portions of this message have been removed]

4182. Re: [acom-list] Voltage selection of Acom 1010.

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-23 21:53:35 UTC
From: Nick Lekic
Topic: 4175 Message: 4182

Hi Eduardo

I can help you. Please contact me offline.

Nick,ve3ey

Sent from my iPad

On Jun 20, 2011, at 8:25 PM, "py1eb" <py1eb@...> wrote:

> Hello all.
> I tryed to find how to select the jumpers inside the Acom 1010. I need to change from 220V to 110V and the manual doesn´t show it.
>
> Thanks and 73,
>
> Eduardo - PY1EB.
>
>

[Non-text portions of this message have been removed]

4183. SOLD: ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 18:36:40 UTC
From: D G
Topic: 4183 Message: 4183

ACOM 2000 SOLD !!!
Thanks for all inquires and 73,

Dennis
N3DG

[Non-text portions of this message have been removed]

4184. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 18:41:27 UTC
From: D G
Topic: 4184 Message: 4184

Alpha 6 is a Custom-Built, Very Limited Edition 6 Meter Amplifier conservatively rated at 1500++ Watts Output Continuous 100% Duty Cycle on 50-54 MHz tunable up to 2 KW, made by Alpha Power as a Custom Order and Very Limited Edition using a Single, Robust 4CX1600B (Svetlana GU-91B) which is very affordable and readily available. Only 10-20 Watts drive delivers 1 KW Output and that is 100% Continuous Duty Cycle (unlike solid-state amplifiers).

Alpha 6 Features:

Single 4CX1600B Ceramic-Metal Tetrode providing a maximum plate dissipation of over 1.6 KW
Supports the Entire 6 meter Amateur Radio Band 50 MHz ? 54 MHz
Comfortably delivers Full Legal Limit on the 6 meter band in All modes
Hypersil 3.5 KVA transformer
Grid & Screen Current Limiting Protection
Protection Circuit for Excessive SWR, Average Plate Current, RF Arc, Mistuning, HV Fault, HV Crowbar, Power Interlock, etc.
Supports 90-130 Volts AC, 190-250 Volts AC, now wired for 220 Volts AC
No Duty Cycle Limitation ? 100% Carrier, Key Down with included optional Cooling Fan
Rugged Construction ? Built like a Tank
Alpha Collector?s Item and Serial Number 2

This Alpha 6 is in Mint Condition with the Optional Auxiliary Cooling Fan, Original Alpha 6 Owners Manual and both Alpha Cartons for Amplifier and Transformer (shipped separately) and has just been sitting on the shelf rarely used and as Collector?s Item as Serial Number 2. Alpha now charges over $4600 for their Alpha 8406 which is of the same design, this Alpha 6 is a Collector?s Item and Serial Number 2 and Mint at $3500 plus shipping and insurance or Cash & Carry.

[Non-text portions of this message have been removed]

4185. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 18:44:49 UTC
From: D G
Topic: 4184 Message: 4185

FOR SALE:

Two Svetlana 4CX800A (GU74) Tube pulls, perfect for ACOM 2000A or Alpha 91B, etc.
One tube in Excellent Condition, other tube not tested.
Make offer !

[Non-text portions of this message have been removed]

4186. FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 18:51:50 UTC
From: n3dg
Topic: 4186 Message: 4186

Two Svetlana 4CX800A (GU74) Tube pulls, perfect for ACOM 2000A or Alpha 91B, etc.

One tube in Excellent Condition, other tube not tested.
Make offer !

4187. Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 19:19:44 UTC
From: paul glassman
Topic: 4186 Message: 4187

Before buying from n3dg (Dennis Gazak) enter his call on qth.com feedback. Here is one example. Paul w8jn

http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

[Non-text portions of this message have been removed]

4188. FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 21:36:54 UTC
From: D G
Topic: 4186 Message: 4188

Ya can't believe everything you read these days, especially slander on the internet these (vast wasteland).
There are two sides to every story.

Ass-Man is OBSESSED with me !!!

Thanks for all the inquiries on the ACOM 2000A, she's been sold.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 12:19:44 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Before buying from n3dg (Dennis Gazak) enter his call on qth.com feedback. Here is one example. Paul w8jn

http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4189. Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 22:26:40 UTC
From: paul glassman
Topic: 4186 Message: 4189

Dennis, There are pages and pages of comments from people doing business with you. I stated no opinion nor did I ever have any business dealings with you. I have not resorted to name calling. I have simply brought to everyone's attention that which simply exists. Your issue is not with me. It is however with those who have written about you. Do you have an issue with me for bringing attention to public record?
Respectfully Paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Sun, 6/26/11, D G <radiodg@...> wrote:

From: D G <radiodg@...>
Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
To: acom-list@yahoogroups.com
Date: Sunday, June 26, 2011, 5:36 PM

Ya can't believe everything you read these days, especially slander on the internet these (vast wasteland).
There are two sides to every story.

Ass-Man is OBSESSED with me !!!

Thanks for all the inquiries on the ACOM 2000A, she's been sold.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 12:19:44 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Before buying from n3dg (Dennis Gazak) enter his call on qth.com feedback. Here is one example. Paul w8jn

http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4190. FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 22:40:53 UTC
From: D G
Topic: 4186 Message: 4190

Paul:

1) You should know better that there are two sides to every story.
2) It is not your place to spread slander and heresay, especially as you admit, you know nothing, nor have not done business.
3) This is a forum and user-group for ACOM Amplifiers, not old-lady gossip that you circulate.
4) You should spend more time operating and less time harassing and obsessing others in areas that are not your business.

I should not even waste my time with a busy-body gossip like you.

37,

Dennis
N3DG

PS: The ACOM 2000A is SOLD, SOLD, SOLD !!!

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 15:26:40 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Dennis, There are pages and pages of comments from people doing business with you. I stated no opinion nor did I ever have any business dealings with you. I have not resorted to name calling. I have simply brought to everyone's attention that which simply exists. Your issue is not with me. It is however with those who have written about you. Do you have an issue with me for bringing attention to public record? Respectfully Paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Sun, 6/26/11, D G <radiodg@...> wrote:

From: D G <radiodg@...>
Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
To: acom-list@yahoogroups.com
Date: Sunday, June 26, 2011, 5:36 PM

Ya can't believe everything you read these days, especially slander on the internet these (vast wasteland).
There are two sides to every story.

Ass-Man is OBSESSED with me !!!

Thanks for all the inquiries on the ACOM 2000A, she's been sold.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 12:19:44 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Before buying from n3dg (Dennis Gazak) enter his call on qth.com feedback. Here is one example. Paul w8jn

http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

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Yahoo! Groups Links

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[Non-text portions of this message have been removed]

4191. Sale list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 22:55:32 UTC
From: Callum's iPhone
Topic: 4186 Message: 4191

Although I appreciate that you have to earn a living, I didn't sign up to receive your stock list OM.

Don't you think you ought to curb your sales to a more moderate level?

Regards,

Callum McCormick
M0MCX / M0XXT

Away from my desk right now..

4192. Re: [acom-list] Sale list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 22:59:56 UTC
From: Joel Kornreich
Topic: 4186 Message: 4192

Who was your note address to. Am I missing something?? I read the ACOM
list since I own one.
Back to you.....

Joel, K2QBV
==========

On Sun, Jun 26, 2011 at 6:55 PM, Callum's iPhone <callum@...>wrote:

> **
>
>
> Although I appreciate that you have to earn a living, I didn't sign up
> to receive your stock list OM.
>
> Don't you think you ought to curb your sales to a more moderate level?
>
> Regards,
>
> Callum McCormick
> M0MCX / M0XXT
>
> Away from my desk right now..
>
>

[Non-text portions of this message have been removed]

4193. Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-26 23:25:18 UTC
From: paul glassman
Topic: 4186 Message: 4193

Dennis, When all is said and done, when all of the name calling is over, when all of the bloviating is finished, there will be one thing that shines through.....your reputation and it certainly precedes you. Respectfully
 Paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Sun, 6/26/11, D G <radiodg@...> wrote:

From: D G <radiodg@...>
Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
To: acom-list@yahoogroups.com
Date: Sunday, June 26, 2011, 6:40 PM

Paul:

1) You should know better that there are two sides to every story.
2) It is not your place to spread slander and heresay, especially as you admit, you know nothing, nor have not done business.
3) This is a forum and user-group for ACOM Amplifiers, not old-lady gossip that you circulate.
4) You should spend more time operating and less time harassing and obsessing others in areas that are not your business.

I should not even waste my time with a busy-body gossip like you.

37,

Dennis
N3DG

PS: The ACOM 2000A is SOLD, SOLD, SOLD !!!

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 15:26:40 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Dennis, There are pages and pages of comments from people doing business with you. I stated no opinion nor did I ever have any business dealings with you. I have not resorted to name calling. I have simply brought to everyone's attention that which simply exists. Your issue is not with me. It is however with those who have written about you. Do you have an issue with me for bringing attention to public record?
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From: D G <radiodg@...>
Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
To: acom-list@yahoogroups.com
Date: Sunday, June 26, 2011, 5:36 PM

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Dennis
N3DG

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 12:19:44 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Before buying from n3dg (Dennis Gazak) enter his call on qth.com feedback. Here is one example. Paul w8jn

http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4194. Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 00:41:18 UTC
From: Jim Idelson K1IR
Topic: 4186 Message: 4194

Prefer not to hear more of this, thanks.
--
Sent from my Android phone with K-9 Mail. Please excuse my brevity.

paul glassman <highschooldiving@...> wrote:

Dennis, When all is said and done, when all of the name calling is over, when all of the bloviating is finished, there will be one thing that shines through.....your reputation and it certainly precedes you. Respectfully Paul w8jn

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From: D G <radiodg@...>
Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
To: acom-list@yahoogroups.com
Date: Sunday, June 26, 2011, 6:40 PM

Paul:

1) You should know better that there are two sides to every story.
2) It is not your place to spread slander and heresay, especially as you admit, you know nothing, nor have not done business.
3) This is a forum and user-group for ACOM Amplifiers, not old-lady gossip that you circulate.
4) You should spend more time operating and less time harassing and obsessing others in areas that are not your business.

I should not even waste my time with a busy-body gossip like you.

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Dennis
N3DG

PS: The ACOM 2000A is SOLD, SOLD, SOLD !!!

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 15:26:40 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

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From: D G <radiodg@...>
Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
To: acom-list@yahoogroups.com
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There are two sides to every story.

Ass-Man is OBSESSED with me !!!

Thanks for all the inquiries on the ACOM 2000A, she's been sold.

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Dennis
N3DG

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Sun, 26 Jun 2011 12:19:44 -0700
Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Before buying from n3dg (Dennis Gazak) enter his call on qth.com feedback. Here is one example. Paul w8jn

http://chat.qth.com/viewtopic.php?t=545&highlight=n3dg

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

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Yahoo! Groups Links

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4195. Re: [acom-list] Sale list

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 02:32:29 UTC
From: Callum's iPhone
Topic: 4186 Message: 4195

Not you. Keep up OM.

Callum McCormick
+44 (0)7976 631881

Away from my desk right now..

On 26 Jun 2011, at 23:59, Joel Kornreich <k2qbv2@...> wrote:

> Who was your note address to. Am I missing something?? I read the
> ACOM
> list since I own one.
> Back to you.....
>
> Joel, K2QBV
> ==
>
> On Sun, Jun 26, 2011 at 6:55 PM, Callum's iPhone <callum@...
> >wrote:
>
>> **
>>
>>
>> Although I appreciate that you have to earn a living, I didn't sign
>> up
>> to receive your stock list OM.
>>
>> Don't you think you ought to curb your sales to a more moderate
>> level?
>>
>> Regards,
>>
>> Callum McCormick
>> M0MCX / M0XXT
>>
>> Away from my desk right now..
>>
>>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4196. Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 02:34:28 UTC
From: Callum's iPhone
Topic: 4186 Message: 4196

Me too! I wish I was with James at Glastonbury :)

Callum McCormick
+44 (0)7976 631881

Away from my desk right now..

On 27 Jun 2011, at 01:41, Jim Idelson K1IR <k1ir@...> wrote:

> Prefer not to hear more of this, thanks.
> --
> Sent from my Android phone with K-9 Mail. Please excuse my brevity.
>
> paul glassman <highschooldiving@...> wrote:
>
> Dennis, When all is said and done, when all of the name calling is
> over, when all of the bloviating is finished, there will be one
> thing that shines through.....your reputation and it certainly
> precedes you. Respectfully Paul w8jn
>
> Quantum materiae materietur marmota monax
>
> si marmota monax materiam possit materiari?
>
> --- On Sun, 6/26/11, D G <radiodg@hotmail.com> wrote:
>
> From: D G <radiodg@...>
> Subject: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
> To: acom-list@yahoogroups.com
> Date: Sunday, June 26, 2011, 6:40 PM
>
> Paul:
>
> 1) You should know better that there are two sides to every story.
> 2) It is not your place to spread slander and heresay, especially as
> you admit, you know nothing, nor have not done business.
> 3) This is a forum and user-group for ACOM Amplifiers, not old-lady
> gossip that you circulate.
> 4) You should spend more time operating and less time harassing and
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> I should not even waste my time with a busy-body gossip like you.
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> 37,
>
> Dennis

> N3DG
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> PS: The ACOM 2000A is SOLD, SOLD, SOLD !!!
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> To: acom-list@yahoogroups.com
> From: highschooldiving@...
> Date: Sun, 26 Jun 2011 15:26:40 -0700
> Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
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> Ass-Man is OBSESSED with me !!!
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> 73,
>
> Dennis
> N3DG
>
> To: acom-list@yahoogroups.com
> From: highschooldiving@...
> Date: Sun, 26 Jun 2011 12:19:44 -0700
> Subject: Re: [acom-list] FOR SALE: Pair Svetlana 4CX800A GU74 Tubes
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> Yahoo! Groups Links
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4197. News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 06:54:36 UTC
From: Hans Remeeus
Topic: 4197 Message: 4197

Hello Acom-friends!

Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.

For the first time after 15 visits I met Acom with their own stand.

Very professional, with very friendly Acom people! Great!

News:
- 800 Watt solid state linear
- very good looking new remote control for the Acom2000A... A 'must have' item ;-)
- power combiner for three Acom2000A for 5400 Watt output
- professional remote controlled antenna tuner for coax and open feeder (very very expensive)
- 12 Volt power supply

I have photos from the solid state linear, the new remote control and the antenna tuner.

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

4198. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 07:49:47 UTC
From: Máximo EA1DDO_HK1H
Topic: 4197 Message: 4198

...and, Where are the photos?

To: acom-list@yahoogroups.com
From: hans@...
Date: Mon, 27 Jun 2011 08:54:36 +0200
Subject: [acom-list] News from Acom

Hello Acom-friends!

Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.

For the first time after 15 visits I met Acom with their own stand.

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- 800 Watt solid state linear

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- power combiner for three Acom2000A for 5400 Watt output

- professional remote controlled antenna tuner for coax and open feeder

(very very expensive)

- 12 Volt power supply

I have photos from the solid state linear, the new remote control and

the antenna tuner.

--

73,

Hans Remeeus (PA1HR)

http://www.remeeus.eu

http://www.hansremeeus.nl

Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4199. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 07:51:41 UTC
From: Hans Remeeus
Topic: 4197 Message: 4199

Hello M?ximo,

At this moment I am busy selecting the photos and will upload them asap.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 27-6-2011 9:49, M?ximo EA1DDO_HK1H schreef:
> ...and, Where are the photos?
>
>
>
>
> To: acom-list@yahoogroups.com
> From: hans@...
> Date: Mon, 27 Jun 2011 08:54:36 +0200
> Subject: [acom-list] News from Acom
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> - professional remote controlled antenna tuner for coax and open feeder
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> (very very expensive)
>
> - 12 Volt power supply
>
>
>
> I have photos from the solid state linear, the new remote control and
>
> the antenna tuner.
>
>
>

4200. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 07:57:46 UTC
From: W5OV@w5ov.com
Topic: 4197 Message: 4200

Here are some photos you can see now:

http://nj-bob.smugmug.com/Professional/FN2011/i-qd5X58V/0/XL/DSC0019-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Bf55S66/0/XL/DSC0020-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Skb7CDV/0/XL/DSC0024-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-NJFMHkH/0/XL/DSC0017-XL.jpg

73,

Bob DL/W5OV
Friedrichshafen

>
> Hello M?ximo,
>
> At this moment I am busy selecting the photos and will upload them asap.
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
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> Op 27-6-2011 9:49, M?ximo EA1DDO_HK1H schreef:
>> ...and, Where are the photos?
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>>
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>> To: acom-list@yahoogroups.com
>> From: hans@...
>> Date: Mon, 27 Jun 2011 08:54:36 +0200
>> Subject: [acom-list] News from Acom
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> Yahoo! Groups Links
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>

4201. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 07:58:04 UTC
From: Fernando EC1CT
Topic: 4197 Message: 4201

Hi Hans,
Happy to see that you have had lot of fun there...I went to Dayton this year so I missed Friedischaffen...Could you please send me some photos of that Acom items
to my email?...73 and thanks in advance.
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Hans Remeeus
Sent: Monday, June 27, 2011 8:54 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] News from Acom

Hello Acom-friends!

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Very professional, with very friendly Acom people! Great!

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- very good looking new remote control for the Acom2000A... A 'must have' item ;-)
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I have photos from the solid state linear, the new remote control and the antenna tuner.

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1388 / Base de datos de virus: 1513/3727 - Fecha de la versión: 26/06/2011

[Non-text portions of this message have been removed]

4202. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 10:54:43 UTC
From: Brian Alsop
Topic: 4197 Message: 4202

Hans,

Why is the ACOM2000A remote control a "must have"? It appears to have the same functions as the old unit. The two buttons saying Yaesu and CAT do seem new. If this unit replaces the CAT protocal/language so that the amp can actually be used by windows programs with simple software, then it may be worth it. I'm hoping it would now be the equivalent of ALPHA MAX. Doubt it though.

73 de Brian/K3KO

On 6/27/2011 06:54, Hans Remeeus wrote:
>
>
>
> Hello Acom-friends!
>
> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>
> For the first time after 15 visits I met Acom with their own stand.
>
> Very professional, with very friendly Acom people! Great!
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> News:
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> - power combiner for three Acom2000A for 5400 Watt output
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>
> I have photos from the solid state linear, the new remote control and
> the antenna tuner.
>
> --
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> [Non-text portions of this message have been removed]
>
>
> --

>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11

4203. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 12:41:57 UTC
From: Máximo EA1DDO_HK1H
Topic: 4197 Message: 4203

Great products, nice pictures.

Thank you very much Bob.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Mon, 27 Jun 2011 03:57:46 -0400
Subject: Re: [acom-list] News from Acom

Here are some photos you can see now:

http://nj-bob.smugmug.com/Professional/FN2011/i-qd5X58V/0/XL/DSC0019-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Bf55S66/0/XL/DSC0020-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Skb7CDV/0/XL/DSC0024-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-NJFMHkH/0/XL/DSC0017-XL.jpg

73,

Bob DL/W5OV

Friedrichshafen

>

> Hello M?ximo,

>

> At this moment I am busy selecting the photos and will upload them asap.

>

>

> 73,

> Hans Remeeus (PA1HR)

> http://www.remeeus.eu

> http://www.hansremeeus.nl

> Communication is about people, the rest is technology.

>

>

>

> Op 27-6-2011 9:49, M?ximo EA1DDO_HK1H schreef:

>> ...and, Where are the photos?

>>

>>

>>

>> To: acom-list@yahoogroups.com

>> From: hans@remeeus.eu

>> Date: Mon, 27 Jun 2011 08:54:36 +0200

>> Subject: [acom-list] News from Acom

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>> Hello Acom-friends!

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>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.

>>

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>>

>> For the first time after 15 visits I met Acom with their own stand.

>>

>>

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>> Very professional, with very friendly Acom people! Great!

>>

>>

>>

>> News:

>>

>> - 800 Watt solid state linear

>>

>> - very good looking new remote control for the Acom2000A... A 'must

>>

>> have' item ;-)

>>

>> - power combiner for three Acom2000A for 5400 Watt output

>>

>> - professional remote controlled antenna tuner for coax and open feeder

>>

>> (very very expensive)

>>

>> - 12 Volt power supply

>>

>>

>>

>> I have photos from the solid state linear, the new remote control and

>>

>> the antenna tuner.

>>

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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

4204. News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 12:51:57 UTC
From: W1JCW
Topic: 4197 Message: 4204

Thank you for the update.

I cant wait to view the photos.

I would like to find some details about their NEW solid state amp.
I wonder if I can run it mobile.

I love my 2K !

73-
W1JCW
John

[Non-text portions of this message have been removed]

4205. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 13:51:42 UTC
From: kg4lru@aol.com
Topic: 4197 Message: 4205

Hans

Thanks for taking time with the photos , question are you saying the new remote will work on older acom 2000A as upgrade?

Phil AI4DQ

In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time, hans@... writes:

Hello Acom-friends!

Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.

For the first time after 15 visits I met Acom with their own stand.

Very professional, with very friendly Acom people! Great!

News:
- 800 Watt solid state linear
- very good looking new remote control for the Acom2000A... A 'must have' item ;-)
- power combiner for three Acom2000A for 5400 Watt output
- professional remote controlled antenna tuner for coax and open feeder (very very expensive)
- 12 Volt power supply

I have photos from the solid state linear, the new remote control and the antenna tuner.

--
73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu (http://www.remeeus.eu/)
http://www.hansremeeus.nl (http://www.hansremeeus.nl/)
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4206. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 14:00:18 UTC
From: W5OV@w5ov.com
Topic: 4197 Message: 4206

Yes - it will be available as an upgrade unit for older 2000A amplifiers.
The projected price in Europe is 482 Euro - in the US - probably about
$700.

> Hans
>
> Thanks for taking time with the photos , question are you saying the new
> remote will work on older acom 2000A as upgrade?
>
>
>
> Phil AI4DQ
>
>
> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
> hans@... writes:
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>
>
> Hello Acom-friends!
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> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>
> For the first time after 15 visits I met Acom with their own stand.
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> Very professional, with very friendly Acom people! Great!
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> News:
> - 800 Watt solid state linear
> - very good looking new remote control for the Acom2000A... A 'must
> have' item ;-)
> - power combiner for three Acom2000A for 5400 Watt output
> - professional remote controlled antenna tuner for coax and open feeder
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> - 12 Volt power supply
>
> I have photos from the solid state linear, the new remote control and
> the antenna tuner.
>
> --
> 73,
> Hans Remeeus (PA1HR)
> _http://www.remeeus.eu_ (http://www.remeeus.eu/)

> _http://www.hansremeeus.nl_ (http://www.hansremeeus.nl/)
> Communication is about people, the rest is technology.
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> Yahoo! Groups Links
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4207. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 14:05:16 UTC
From: BMarton
Topic: 4197 Message: 4207

Hans,

What is the new remote upgrade for the 2000A about? I am very curious. Do you have photos of it?

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: Monday, June 27, 2011 10:00 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] News from Acom

Yes - it will be available as an upgrade unit for older 2000A amplifiers. The projected price in Europe is 482 Euro - in the US - probably about $700.

> Hans
>
> Thanks for taking time with the photos , question are you saying the new
> remote will work on older acom 2000A as upgrade?
>
>
>
> Phil AI4DQ
>
>
> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
> hans@... <mailto:hans%40remeeus.eu> writes:
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>
> Hello Acom-friends!
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> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>
> For the first time after 15 visits I met Acom with their own stand.
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> Very professional, with very friendly Acom people! Great!
>
> News:
> - 800 Watt solid state linear

> - very good looking new remote control for the Acom2000A... A 'must
> have' item ;-)
> - power combiner for three Acom2000A for 5400 Watt output
> - professional remote controlled antenna tuner for coax and open feeder
> (very very expensive)
> - 12 Volt power supply
>
> I have photos from the solid state linear, the new remote control and
> the antenna tuner.
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> 73,
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> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
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4208. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 14:10:59 UTC
From: W5OV@w5ov.com
Topic: 4197 Message: 4208

Look at my earlier post in this thread for links to the photos.

Details are not published, but it appears that interfacing to the various
"standard" radio types will be supported through the new controller.

73,

Bob HB9/W5OV

> Hans,
>
>
>
> What is the new remote upgrade for the 2000A about? I am very curious.
> Do
> you have photos of it?
>
>
>
> Bruce K1XR
>
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> _____
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of W5OV@...
> Sent: Monday, June 27, 2011 10:00 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] News from Acom
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>
> Yes - it will be available as an upgrade unit for older 2000A amplifiers.
> The projected price in Europe is 482 Euro - in the US - probably about
> $700.
>
>> Hans
>>
>> Thanks for taking time with the photos , question are you saying the new
>> remote will work on older acom 2000A as upgrade?
>>
>>

>>
>> Phil AI4DQ
>>
>>
>> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
>> hans@... <mailto:hans%40remeeus.eu> writes:
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>>
>> Hello Acom-friends!
>>
>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>>
>> For the first time after 15 visits I met Acom with their own stand.
>>
>> Very professional, with very friendly Acom people! Great!
>>
>> News:
>> - 800 Watt solid state linear
>> - very good looking new remote control for the Acom2000A... A 'must
>> have' item ;-)
>> - power combiner for three Acom2000A for 5400 Watt output
>> - professional remote controlled antenna tuner for coax and open feeder
>> (very very expensive)
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>>
>> I have photos from the solid state linear, the new remote control and
>> the antenna tuner.
>>
>> --
>> 73,
>> Hans Remeeus (PA1HR)
>> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
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>> Communication is about people, the rest is technology.
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4209. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 14:13:34 UTC
From: BMarton
Topic: 4197 Message: 4209

Hi Bob,

I don't have the earlier posts as they went to my cell phone, not the work computer. Would you be able to send me the link ?

Bruce

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: Monday, June 27, 2011 10:11 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] News from Acom

Look at my earlier post in this thread for links to the photos.

Details are not published, but it appears that interfacing to the various "standard" radio types will be supported through the new controller.

73,

Bob HB9/W5OV

> Hans,
>
>
>
> What is the new remote upgrade for the 2000A about? I am very curious.
> Do
> you have photos of it?
>
>
>
> Bruce K1XR
>
>
>
> -----
>
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of W5OV@... <mailto:W5OV%40w5ov.com>
> Sent: Monday, June 27, 2011 10:00 AM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] News from Acom

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>
> Yes - it will be available as an upgrade unit for older 2000A amplifiers.
> The projected price in Europe is 482 Euro - in the US - probably about
> $700.
>
>> Hans
>>
>> Thanks for taking time with the photos , question are you saying the new
>> remote will work on older acom 2000A as upgrade?
>>
>>
>>
>> Phil AI4DQ
>>
>>
>> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
>> hans@... <mailto:hans%40remeeus.eu> <mailto:hans%40remeeus.eu>
writes:
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>> Hello Acom-friends!
>>
>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
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>> For the first time after 15 visits I met Acom with their own stand.
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>> Very professional, with very friendly Acom people! Great!
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>> - 800 Watt solid state linear
>> - very good looking new remote control for the Acom2000A... A 'must
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>> - power combiner for three Acom2000A for 5400 Watt output
>> - professional remote controlled antenna tuner for coax and open feeder
>> (very very expensive)
>> - 12 Volt power supply
>>
>> I have photos from the solid state linear, the new remote control and
>> the antenna tuner.
>>
>> --
>> 73,
>> Hans Remeeus (PA1HR)

>> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
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>> Communication is about people, the rest is technology.
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4210. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 14:18:44 UTC
From: W5OV@w5ov.com
Topic: 4197 Message: 4210

http://nj-bob.smugmug.com/Professional/FN2011/i-qd5X58V/0/XL/DSC0019-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Bf55S66/0/XL/DSC0020-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Skb7CDV/0/XL/DSC0024-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-NJFMHkH/0/XL/DSC0017-XL.jpg

> Hi Bob,
>
>
>
> I don't have the earlier posts as they went to my cell phone, not the work
> computer. Would you be able to send me the link ?
>
>
>
> Bruce
>
>
>
>
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> _____
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of W5OV@...
> Sent: Monday, June 27, 2011 10:11 AM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] News from Acom
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>
>
>
> Look at my earlier post in this thread for links to the photos.
>
> Details are not published, but it appears that interfacing to the various
> "standard" radio types will be supported through the new controller.
>
> 73,
>
> Bob HB9/W5OV
>
>> Hans,

>>
>>
>>
>> What is the new remote upgrade for the 2000A about? I am very curious.
>> Do
>> you have photos of it?
>>
>>
>>
>> Bruce K1XR
>>
>>
>>
>> _____
>>
>> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On
>> Behalf
>> Of W5OV@... <mailto:W5OV%40w5ov.com>
>> Sent: Monday, June 27, 2011 10:00 AM
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> Subject: Re: [acom-list] News from Acom
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>>
>> Yes - it will be available as an upgrade unit for older 2000A
>> amplifiers.
>> The projected price in Europe is 482 Euro - in the US - probably about
>> $700.
>>
>>> Hans
>>>
>>> Thanks for taking time with the photos , question are you saying the
>>> new
>>> remote will work on older acom 2000A as upgrade?
>>>
>>>
>>>
>>> Phil AI4DQ
>>>
>>>
>>> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
>>> hans@... <mailto:hans%40remeeus.eu> <mailto:hans%40remeeus.eu>
> writes:
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>>>
>>>
>>> Hello Acom-friends!
>>>
>>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>>>
>>> For the first time after 15 visits I met Acom with their own stand.
>>>
>>> Very professional, with very friendly Acom people! Great!
>>>
>>> News:
>>> - 800 Watt solid state linear
>>> - very good looking new remote control for the Acom2000A... A 'must
>>> have' item ;-)
>>> - power combiner for three Acom2000A for 5400 Watt output
>>> - professional remote controlled antenna tuner for coax and open feeder
>>> (very very expensive)
>>> - 12 Volt power supply
>>>
>>> I have photos from the solid state linear, the new remote control and
>>> the antenna tuner.
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>>> --
>>> 73,
>>> Hans Remeeus (PA1HR)
>>> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
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>>> Communication is about people, the rest is technology.
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4211. Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 15:14:57 UTC
From: Andrey
Topic: 4197 Message: 4211

> - power combiner for three Acom2000A for 5400 Watt output

Out of curiosity, which countries allow 5.4 kW HF power limit for amateur radio operators? Such monster would also require over 10.5 kW AC mains - I am afraid my utility company would refuse to install an extra pole transformer :-)

73
de Andrey, AE1S

4212. Re: [acom-list] Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 15:28:49 UTC
From: Nicola Favero
Topic: 4197 Message: 4212

Price : 22.800 Euro !!!

73 Nick I3FIY

----- Original Message -----
From: Andrey
To: acom-list@yahoogroups.com
Sent: Monday, June 27, 2011 5:14 PM
Subject: [acom-list] Re: News from Acom

> - power combiner for three Acom2000A for 5400 Watt output

Out of curiosity, which countries allow 5.4 kW HF power limit for amateur radio operators? Such monster would also require over 10.5 kW AC mains - I am afraid my utility company would refuse to install an extra pole transformer :-)

73
de Andrey, AE1S

[Non-text portions of this message have been removed]

4213. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 16:01:04 UTC
From: Paul Christensen
Topic: 4197 Message: 4213

Does ACOM's new combiner contain a reject load to absorb power when complete balance is not attained (e.g. during manual or automatic tune-up)?

Paul, W9AC

----- Original Message -----
From: W5OV@...
To: acom-list@yahoogroups.com
Sent: Monday, June 27, 2011 10:18 AM
Subject: RE: [acom-list] News from Acom

http://nj-bob.smugmug.com/Professional/FN2011/i-qd5X58V/0/XL/DSC0019-XL.jpg

http://nj-bob.smugmug.com/Professional/FN2011/i-Bf55S66/0/XL/DSC0020-XL.jpg

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http://nj-bob.smugmug.com/Professional/FN2011/i-NJFMHkH/0/XL/DSC0017-XL.jpg

> Hi Bob,
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> I don't have the earlier posts as they went to my cell phone, not the work
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> Bruce
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
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> Sent: Monday, June 27, 2011 10:11 AM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] News from Acom
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> Look at my earlier post in this thread for links to the photos.
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> Details are not published, but it appears that interfacing to the various
> "standard" radio types will be supported through the new controller.
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> 73,
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> Bob HB9/W5OV
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>> Hans,
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>> What is the new remote upgrade for the 2000A about? I am very curious.
>> Do
>> you have photos of it?
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>> Bruce K1XR
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>> _____
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>> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On
>> Behalf
>> Of W5OV@... <mailto:W5OV%40w5ov.com>
>> Sent: Monday, June 27, 2011 10:00 AM
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> Subject: Re: [acom-list] News from Acom
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>> Yes - it will be available as an upgrade unit for older 2000A
>> amplifiers.
>> The projected price in Europe is 482 Euro - in the US - probably about
>> $700.
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>>> Hans
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>>> Thanks for taking time with the photos , question are you saying the
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>>> Phil AI4DQ
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>>> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
>>> hans@... <mailto:hans%40remeeus.eu> <mailto:hans%40remeeus.eu>
> writes:
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>>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
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>>> For the first time after 15 visits I met Acom with their own stand.
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>>> Very professional, with very friendly Acom people! Great!
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>>> News:
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>>> - power combiner for three Acom2000A for 5400 Watt output
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>>> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
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>>> Communication is about people, the rest is technology.
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4214. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 16:07:21 UTC
From: W5OV@w5ov.com
Topic: 4197 Message: 4214

Here's all the information currently available:

http://nj-bob.smugmug.com/Professional/FN2011/i-FND9ZQs/0/X2/DSC0025-X2.jpg

> Does ACOM's new combiner contain a reject load to absorb power when
> complete balance is not attained (e.g. during manual or automatic
> tune-up)?
>
> Paul, W9AC
>
>
> ----- Original Message -----
> From: W5OV@...
> To: acom-list@yahoogroups.com
> Sent: Monday, June 27, 2011 10:18 AM
> Subject: RE: [acom-list] News from Acom
>
>
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-qd5X58V/0/XL/DSC0019-XL.jpg
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-Bf55S66/0/XL/DSC0020-XL.jpg
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-Skb7CDV/0/XL/DSC0024-XL.jpg
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-NJFMHkH/0/XL/DSC0017-XL.jpg
>
> > Hi Bob,
> >
> >
> >
> > I don't have the earlier posts as they went to my cell phone, not the
> work
> > computer. Would you be able to send me the link ?
> >
> >
> >
> > Bruce
> >
> >
> >
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> >
> > _____
> >

> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of W5OV@...
> > Sent: Monday, June 27, 2011 10:11 AM
> > To: acom-list@yahoogroups.com
> > Subject: RE: [acom-list] News from Acom
> >
> >
> >
> >
> >
> > Look at my earlier post in this thread for links to the photos.
> >
> > Details are not published, but it appears that interfacing to the
> various
> > "standard" radio types will be supported through the new controller.
> >
> > 73,
> >
> > Bob HB9/W5OV
> >
> >> Hans,
> >>
> >>
> >> What is the new remote upgrade for the 2000A about? I am very
> curious.
> >> Do
> >> you have photos of it?
> >>
> >>
> >>
> >> Bruce K1XR
> >>
> >>
> >>
> >> _____
> >>
> >> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>]
> > On
> >> Behalf
> >> Of W5OV@... <mailto:W5OV%40w5ov.com>
> >> Sent: Monday, June 27, 2011 10:00 AM
> >> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> >> Subject: Re: [acom-list] News from Acom
> >>
> >>
> >>

> >>
> >>
> >> Yes - it will be available as an upgrade unit for older 2000A
> >> amplifiers.
> >> The projected price in Europe is 482 Euro - in the US - probably
> about
> >> $700.
> >>
> >>> Hans
> >>>
> >>> Thanks for taking time with the photos , question are you saying the
> >>> new
> >>> remote will work on older acom 2000A as upgrade?
> >>>
> >>>
> >>>
> >>> Phil AI4DQ
> >>>
> >>>
> >>> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
> >>> hans@... <mailto:hans%40remeeus.eu>
> <mailto:hans%40remeeus.eu>
> > writes:
> >>>
> >>>
> >>>
> >>>
> >>>
> >>> Hello Acom-friends!
> >>>
> >>> Just came back from a few days Ham Radio Fair 2011 in
> Friedrichshafen.
> >>>
> >>> For the first time after 15 visits I met Acom with their own stand.
> >>>
> >>> Very professional, with very friendly Acom people! Great!
> >>>
> >>> News:
> >>> - 800 Watt solid state linear
> >>> - very good looking new remote control for the Acom2000A... A 'must
> >>> have' item ;-)
> >>> - power combiner for three Acom2000A for 5400 Watt output
> >>> - professional remote controlled antenna tuner for coax and open
> feeder
> >>> (very very expensive)
> >>> - 12 Volt power supply
> >>>
> >>> I have photos from the solid state linear, the new remote control
> and
> >>> the antenna tuner.

> >>>
> >>> --
> >>> 73,
> >>> Hans Remeeus (PA1HR)
> >>> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
> >>> _http://www.hansremeeus.nl_ (http://www.hansremeeus.nl/)
> >>> Communication is about people, the rest is technology.
> >>>
> >>> [Non-text portions of this message have been removed]
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> >>> [Non-text portions of this message have been removed]
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> >>> Yahoo! Groups Links
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> >> Yahoo! Groups Links
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> > Yahoo! Groups Links
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> Yahoo! Groups Links
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4215. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 16:45:38 UTC
From: Paul Christensen
Topic: 4197 Message: 4215

Interesting. Here in the U.S., external amps require certification prior to commercial manufacture and/or importation, but power dividers/splitters do not (yet, anyway). Looking at Sec. 97.317(c), the FCC can revoke certification if it determines any of the following:

(1) Any accessible wiring which, when altered, would permit operation of the amplifier in a manner contrary to the FCC Rules;
(2) Circuit boards or similar circuitry to facilitate the addition of components to change the amplifier's operating characteristics in a manner contrary to the FCC Rules;

(3) Instructions for operation or modification of the amplifier in a manner contrary to FCC Rules;

(4) Any internal or external controls or adjustments to facilitate operation of the amplifier in a manner contrary to the FCC Rules.

Whether or not any of these terms in the FCC rules is violated when a splitter/combiner is specifically designed for use with a currently certified amp will be based on how they interpret or subsequently modify the rules.

Paul, W9AC

----- Original Message -----
From: W5OV@...
To: acom-list@yahoogroups.com
Sent: Monday, June 27, 2011 12:07 PM
Subject: Re: [acom-list] News from Acom

Here's all the information currently available:

http://nj-bob.smugmug.com/Professional/FN2011/i-FND9ZQs/0/X2/DSC0025-X2.jpg

> Does ACOM's new combiner contain a reject load to absorb power when
> complete balance is not attained (e.g. during manual or automatic
> tune-up)?
>
> Paul, W9AC
>
>
> ----- Original Message -----
> From: W5OV@...
> To: acom-list@yahoogroups.com
> Sent: Monday, June 27, 2011 10:18 AM
> Subject: RE: [acom-list] News from Acom
>
>
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-qd5X58V/0/XL/DSC0019-XL.jpg

>
> http://nj-bob.smugmug.com/Professional/FN2011/i-Bf55S66/0/XL/DSC0020-XL.jpg
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-Skb7CDV/0/XL/DSC0024-XL.jpg
>
> http://nj-bob.smugmug.com/Professional/FN2011/i-NJFMHkH/0/XL/DSC0017-XL.jpg
>
> > Hi Bob,
> >
> >
> >
> > I don't have the earlier posts as they went to my cell phone, not the
> work
> > computer. Would you be able to send me the link ?
> >
> >
> >
> > Bruce
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> > _____
> >
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of W5OV@...
> > Sent: Monday, June 27, 2011 10:11 AM
> > To: acom-list@yahoogroups.com
> > Subject: RE: [acom-list] News from Acom
> >
> >
> >
> >
> >
> > Look at my earlier post in this thread for links to the photos.
> >
> > Details are not published, but it appears that interfacing to the
> various
> > "standard" radio types will be supported through the new controller.
> >
> > 73,
> >
> > Bob HB9/W5OV
> >
> >> Hans,
> >>
> >>
> >>

> >> What is the new remote upgrade for the 2000A about? I am very
> curious.
> >> Do
> >> you have photos of it?
> >>
> >>
> >>
> >> Bruce K1XR
> >>
> >>
> >>
> >> _____
> >>
> >> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>]
> > On
> >> Behalf
> >> Of W5OV@... <mailto:W5OV%40w5ov.com>
> >> Sent: Monday, June 27, 2011 10:00 AM
> >> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> >> Subject: Re: [acom-list] News from Acom
> >>
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> >>
> >> Yes - it will be available as an upgrade unit for older 2000A
> >> amplifiers.
> >> The projected price in Europe is 482 Euro - in the US - probably
> about
> >> $700.
> >>
> >>> Hans
> >>>
> >>> Thanks for taking time with the photos , question are you saying the
> >>> new
> >>> remote will work on older acom 2000A as upgrade?
> >>>
> >>>
> >>>
> >>> Phil AI4DQ
> >>>
> >>>
> >>> In a message dated 6/27/2011 2:54:42 A.M. Eastern Daylight Time,
> >>> hans@... <mailto:hans%40remeeus.eu>
> <mailto:hans%40remeeus.eu>
> > writes:
> >>>
> >>>

> >>>
> >>>
> >>>
> >>> Hello Acom-friends!
> >>>
> >>> Just came back from a few days Ham Radio Fair 2011 in
> Friedrichshafen.
> >>>
> >>> For the first time after 15 visits I met Acom with their own stand.
> >>>
> >>> Very professional, with very friendly Acom people! Great!
> >>>
> >>> News:
> >>> - 800 Watt solid state linear
> >>> - very good looking new remote control for the Acom2000A... A 'must
> >>> have' item ;-)
> >>> - power combiner for three Acom2000A for 5400 Watt output
> >>> - professional remote controlled antenna tuner for coax and open
> feeder
> >>> (very very expensive)
> >>> - 12 Volt power supply
> >>>
> >>> I have photos from the solid state linear, the new remote control
> and
> >>> the antenna tuner.
> >>>
> >>> --
> >>> 73,
> >>> Hans Remeeus (PA1HR)
> >>> _http://www.remeeus.eu_ (http://www.remeeus.eu/)
> >>> _http://www.hansremeeus.nl_ (http://www.hansremeeus.nl/)
> >>> Communication is about people, the rest is technology.
> >>>
> >>> [Non-text portions of this message have been removed]
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> >>> [Non-text portions of this message have been removed]
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> >>> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4216. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 16:53:54 UTC
From: Steve Tripp (K1IIG-1)
Topic: 4197 Message: 4216

Brian,

I too wonder what the new remote unit will do over the old? Can we simply use new software on the old unit?

Steve
K1IIG

> Hans,
>
> Why is the ACOM2000A remote control a "must have"? It appears to have
> the same functions as the old unit. The two buttons saying Yaesu and
> CAT do seem new. If this unit replaces the CAT protocal/language so
> that the amp can actually be used by windows programs with simple
> software, then it may be worth it. I'm hoping it would now be the
> equivalent of ALPHA MAX. Doubt it though.
>
> 73 de Brian/K3KO
>
> On 6/27/2011 06:54, Hans Remeeus wrote:
>>
>>
>>
>> Hello Acom-friends!
>>
>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>>
>> For the first time after 15 visits I met Acom with their own stand.
>>
>> Very professional, with very friendly Acom people! Great!
>>
>> News:
>> - 800 Watt solid state linear
>> - very good looking new remote control for the Acom2000A... A 'must
>> have' item ;-)
>> - power combiner for three Acom2000A for 5400 Watt output
>> - professional remote controlled antenna tuner for coax and open feeder
>> (very very expensive)
>> - 12 Volt power supply
>>
>> I have photos from the solid state linear, the new remote control and
>> the antenna tuner.
>>
>> --
>> 73,
>> Hans Remeeus (PA1HR)

>> http://www.remeeus.eu
>> http://www.hansremeeus.nl
>> Communication is about people, the rest is technology.
>>
>> [Non-text portions of this message have been removed]
>>
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>> --
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
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> Yahoo! Groups Links
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4217. Re: [acom-list] Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 16:58:52 UTC
From: Brian Alsop
Topic: 4197 Message: 4217

Heck one's electric range can draw more than 10.5 kW. If your house already has 200-300 amp service, I doubt the utility will need to do anything.

73 de Brian/K3KO

On 6/27/2011 15:14, Andrey wrote:
>
>
> > - power combiner for three Acom2000A for 5400 Watt output
>
> Out of curiosity, which countries allow 5.4 kW HF power limit for
> amateur radio operators?
> Such monster would also require over 10.5 kW AC mains - I am afraid my
> utility company would refuse to install an extra pole transformer :-)
>
> 73
> de Andrey, AE1S
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11

4218. Re: [acom-list] Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 17:40:40 UTC
From: K0DAN
Topic: 4197 Message: 4218

It's not a 5400W amplifier, it's a transmitter combiner; the 5.4KW means the sum of the inputs, with outputs to one antenna on different bands. This doesn't fit most amateur applications, but you could (theoretically) operate 3 rigs on different bands at 1500W output each (3x1500W=5400W). Big power hog and you'd need big load resistors (circulators) to avoid sending RF in the wrong directions. Also you'd be one very busy operator during the contests!

Appears to me this is a military/commercial application which (for some reason?!?) they chose to throw into their amateur catalog.

Let me know when you get yours on the air!
;-)

73
Dan
K0DAN

----- Original Message -----
From: "Andrey" <kotjunk@...>
To: <acom-list@yahoogroups.com>
Sent: Monday, June 27, 2011 10:14 AM
Subject: [acom-list] Re: News from Acom

>> - power combiner for three Acom2000A for 5400 Watt output
>
>
> Out of curiosity, which countries allow 5.4 kW HF power limit for amateur
> radio operators?
> Such monster would also require over 10.5 kW AC mains - I am afraid my
> utility company would refuse to install an extra pole transformer :-)
>
> 73
> de Andrey, AE1S
>
>
>
> ------------------------------------
>
>

4219. Ham Radio 2011 pictures

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 17:49:10 UTC
From: dk3hv
Topic: 4219 Message: 4219

Hello,
just uploaded some pictures taken during the weekend at the Ham radio 2011 show. ACOM presented the new remote controller for 2000a, the new solid state amplifier and also a very nice power meter.
All new toys looked very good and will be available in a couple of month.
best wishes

Hanno, DK3HV

4220. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 17:55:00 UTC
From: Máximo EA1DDO_HK1H
Topic: 4197 Message: 4220

Hi Brian & Steve,

I have no idea about the features of the new remote control, just what we can see on the picture.
It has a large color display, I can see has control for antennas (I guess Acom SW2000 remote antenna switch), CAT control, etc.

So, it is much more nice than the actual one.
If it can run Windows or not, I have not idea, but I like it.
I understand the word from Hans "a must" in the same way I think, "I would like to get one".

Let´s wait to Acom publish the full list of features.

Well done Acom !!

73, Maximo - EA1DDO & HK1H

> To: acom-list@yahoogroups.com
> From: stephen.tripp@...
> Date: Mon, 27 Jun 2011 12:53:54 -0400
> Subject: Re: [acom-list] News from Acom
>
> Brian,
>
> I too wonder what the new remote unit will do over the old? Can we simply
> use new software on the old unit?
>
> Steve
> K1IIG
>
> > Hans,
> >
> > Why is the ACOM2000A remote control a "must have"? It appears to have
> > the same functions as the old unit. The two buttons saying Yaesu and
> > CAT do seem new. If this unit replaces the CAT protocal/language so
> > that the amp can actually be used by windows programs with simple
> > software, then it may be worth it. I'm hoping it would now be the
> > equivalent of ALPHA MAX. Doubt it though.
> >
> > 73 de Brian/K3KO
> >
> > On 6/27/2011 06:54, Hans Remeeus wrote:
> >>
> >>
> >>

> >> Hello Acom-friends!
> >>
> >> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
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> >> For the first time after 15 visits I met Acom with their own stand.
> >>
> >> Very professional, with very friendly Acom people! Great!
> >>
> >> News:
> >> - 800 Watt solid state linear
> >> - very good looking new remote control for the Acom2000A... A 'must
> >> have' item ;-)
> >> - power combiner for three Acom2000A for 5400 Watt output
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> >> I have photos from the solid state linear, the new remote control and
> >> the antenna tuner.
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> >> 73,
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> >> http://www.remeeus.eu
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> >> Communication is about people, the rest is technology.
> >>
> >> [Non-text portions of this message have been removed]
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> >> --
> >>
> >> No virus found in this message.
> >> Checked by AVG - www.avg.com <http://www.avg.com>
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> > Yahoo! Groups Links
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4221. Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 19:09:15 UTC
From: Andrey
Topic: 4197 Message: 4221

Probably not - as long as I operate when my wife is not cooking and runing the dryer at the same time and it is not on a hot day so I dont have to turn the central AC :)

..still.. I dont see any practical use for 5.4 kW setup...the story of the sheikh (A61AQ) who melted a SteppIR beam with russsian submarine 6kW amplifier (10x GU-84B) comes to my mind :)

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Heck one's electric range can draw more than 10.5 kW. If your house
> already has 200-300 amp service, I doubt the utility will need to do
> anything.
>
> 73 de Brian/K3KO
>
> On 6/27/2011 15:14, Andrey wrote:
> >
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> > > - power combiner for three Acom2000A for 5400 Watt output
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> > Out of curiosity, which countries allow 5.4 kW HF power limit for
> > amateur radio operators?
> > Such monster would also require over 10.5 kW AC mains - I am afraid my
> > utility company would refuse to install an extra pole transformer :-)
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> > 73
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>

4222. Re: [acom-list] Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 22:19:31 UTC
From: Peter Bucy
Topic: 4197 Message: 4222

Andrey - 10.5 KW is not an extraordinarily high load. If you have a heat pump at your home, it probably has backup heat strips that range from 7KW to 12KW. You electric range on a 50 amp branch circuit is rated for 12KW.

Pete

KD4CQZ

On 6/27/2011 11:14 AM, Andrey wrote:
>> - power combiner for three Acom2000A for 5400 Watt output
>
>
> Out of curiosity, which countries allow 5.4 kW HF power limit for amateur radio operators?
> Such monster would also require over 10.5 kW AC mains - I am afraid my utility company would refuse to install an extra pole transformer :-)
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> 73
> de Andrey, AE1S
>
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>
> Yahoo! Groups Links
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Pete

KD4CQZ

4223. RE: [acom-list] Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-27 22:24:54 UTC
From: BMarton
Topic: 4197 Message: 4223

Without looking into the math for calculations, I'd guess my Miller 180 amp square wave TIG welder is drawing a hundred times my Acom ! ;) And thus far, no one has been knocking on my door to ask questions.

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Peter Bucy
Sent: Monday, June 27, 2011 6:20 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: News from Acom

Andrey - 10.5 KW is not an extraordinarily high load. If you have a heat pump at your home, it probably has backup heat strips that range from 7KW to 12KW. You electric range on a 50 amp branch circuit is rated for 12KW.

Pete

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On 6/27/2011 11:14 AM, Andrey wrote:
>> - power combiner for three Acom2000A for 5400 Watt output
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> Out of curiosity, which countries allow 5.4 kW HF power limit for amateur radio operators?
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> ------------------------------------
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> Yahoo! Groups Links
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Pete

KD4CQZ

[Non-text portions of this message have been removed]

4224. 800S solid state amp

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-28 12:50:22 UTC
From: n0hr_pat
Topic: 4224 Message: 4224

Any word on pricing, availability (in the US), and specs of the ACOM 800S solid state amp? Pictures look great.

How will it compare to the SPE Expert 1K-FA
http://www.radio-ham.eu/Expert1K-FA.htm

the Tokyo High Power:
http://www.tokyohypower.com/hl-1_2kfx.html

or other solid state amps on the market?

CAT ability? SO2R? autotuner?

Looks interesting.

73
Pat N0HR
http://www.n0hr.com <http://www.n0hr.com>

[Non-text portions of this message have been removed]

4225. tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-29 01:49:07 UTC
From: myles
Topic: 4225 Message: 4225

hi

Lots of nice photos on the new gear, but non of that new tuner mentioned, anyone have any shots of that?? Sounds very interesting

N2EHG

4226. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-29 06:40:40 UTC
From: Hans Remeeus
Topic: 4197 Message: 4226

Hello group,

Here are my photos:

Acom 800S solid state linear amplifier:
http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1535335555/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc

Acom2000A remote control unit:
http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/205074614/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc

Acom2000A remote control unit:
http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1616322251/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc

Acom 03AT Automatic Antenna Tuner:
http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1784975744/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

4227. Re: [acom-list] tuner

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-29 06:40:59 UTC
From: Hans Remeeus
Topic: 4225 Message: 4227

Acom 03AT Automatic Antenna Tuner:
http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1784975744/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 29-6-2011 3:49, myles schreef:
> hi
>
> Lots of nice photos on the new gear, but non of that new tuner mentioned, anyone have any shots of that?? Sounds very interesting
>
> N2EHG
>
>

[Non-text portions of this message have been removed]

4228. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-29 06:46:39 UTC
From: Hans Remeeus
Topic: 4197 Message: 4228

Hello Brian,

What I have seen and heard about this new RCU for me it is definitely a 'must have' item, instead of 'nice to have'.

- More features; waiting for the specifications
- Better ergonomics
- Much bigger display
- Colour display
- Reasonable price

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 27-6-2011 12:54, Brian Alsop schreef:
> Hans,
>
> Why is the ACOM2000A remote control a "must have"? It appears to have
> the same functions as the old unit. The two buttons saying Yaesu and
> CAT do seem new. If this unit replaces the CAT protocal/language so
> that the amp can actually be used by windows programs with simple
> software, then it may be worth it. I'm hoping it would now be the
> equivalent of ALPHA MAX. Doubt it though.
>
> 73 de Brian/K3KO
>
> On 6/27/2011 06:54, Hans Remeeus wrote:
>>
>>
>> Hello Acom-friends!
>>
>> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
>>
>> For the first time after 15 visits I met Acom with their own stand.
>>
>> Very professional, with very friendly Acom people! Great!
>>
>> News:
>> - 800 Watt solid state linear
>> - very good looking new remote control for the Acom2000A... A 'must
>> have' item ;-)
>> - power combiner for three Acom2000A for 5400 Watt output
>> - professional remote controlled antenna tuner for coax and open feeder

>> (very very expensive)
>> - 12 Volt power supply
>>
>> I have photos from the solid state linear, the new remote control and
>> the antenna tuner.
>>
>> --
>> 73,
>> Hans Remeeus (PA1HR)
>> http://www.remeeus.eu
>> http://www.hansremeeus.nl
>> Communication is about people, the rest is technology.
>>
>> [Non-text portions of this message have been removed]
>>
>>
>> --
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com<http://www.avg.com>
>> Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
>>
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4229. Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-29 10:23:15 UTC
From: daslin73
Topic: 4197 Message: 4229

Ah, but did anyone tell ACOM they can't spell 'Yaesu' yet? I wouldn't want to buy it with a spelling error - I might have to look for an early FT5000 "Tranceiver" to go with it. ;-)

73
Dave
G3WGN WJ6O

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello Brian,
>
> What I have seen and heard about this new RCU for me it is definitely a
> 'must have' item, instead of 'nice to have'.
>
> - More features; waiting for the specifications
> - Better ergonomics
> - Much bigger display
> - Colour display
> - Reasonable price
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 27-6-2011 12:54, Brian Alsop schreef:
> > Hans,
> >
> > Why is the ACOM2000A remote control a "must have"? It appears to have
> > the same functions as the old unit. The two buttons saying Yaesu and
> > CAT do seem new. If this unit replaces the CAT protocal/language so
> > that the amp can actually be used by windows programs with simple
> > software, then it may be worth it. I'm hoping it would now be the
> > equivalent of ALPHA MAX. Doubt it though.
> >
> > 73 de Brian/K3KO
> >
> > On 6/27/2011 06:54, Hans Remeeus wrote:
> >>
> >>

> >> Hello Acom-friends!
> >>
> >> Just came back from a few days Ham Radio Fair 2011 in Friedrichshafen.
> >>
> >> For the first time after 15 visits I met Acom with their own stand.
> >>
> >> Very professional, with very friendly Acom people! Great!
> >>
> >> News:
> >> - 800 Watt solid state linear
> >> - very good looking new remote control for the Acom2000A... A 'must
> >> have' item ;-)
> >> - power combiner for three Acom2000A for 5400 Watt output
> >> - professional remote controlled antenna tuner for coax and open feeder
> >> (very very expensive)
> >> - 12 Volt power supply
> >>
> >> I have photos from the solid state linear, the new remote control and
> >> the antenna tuner.
> >>
> >> --
> >> 73,
> >> Hans Remeeus (PA1HR)
> >> http://www.remeeus.eu
> >> http://www.hansremeeus.nl
> >> Communication is about people, the rest is technology.
> >>
> >> [Non-text portions of this message have been removed]
> >>
> >>
> >> --
> >>
> >> No virus found in this message.
> >> Checked by AVG - www.avg.com<http://www.avg.com>
> >> Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
> >>
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> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1388 / Virus Database: 1513/3729 - Release Date: 06/27/11
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> [Non-text portions of this message have been removed]
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4230. Re: [acom-list] Re: News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-06-29 10:34:49 UTC
From: Hans Remeeus
Topic: 4197 Message: 4230

Hello Dave,

Very good of you to notice this! I noticed it in FH that they did'nt spell it correctly, but it was only a kind of sticker for demonstration purposes.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 29-6-2011 12:23, daslin73 schreef:
> Ah, but did anyone tell ACOM they can't spell 'Yaesu' yet? I wouldn't want to buy it with a spelling error - I might have to look for an early FT5000 "Tranceiver" to go with it. ;-)
>
> 73
> Dave
> G3WGN WJ6O
>

[Non-text portions of this message have been removed]

4231. Re: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-01 11:54:24 UTC
From: Bill NY9H
Topic: 4197 Message: 4231

what is the pricing for the SS amp & the remote for the 2000A;
sri if i missed it ....

bill

At 02:40 AM 6/29/2011, Hans Remeeus wrote:
>Hello group,
>
>Here are my photos:
>
>Acom 800S solid state linear amplifier:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1535335555/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
>
>Acom2000A remote control unit:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/205074614/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
>
>Acom2000A remote control unit:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1616322251/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
>
>Acom 03AT Automatic Antenna Tuner:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1784975744/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
>
>
>73,
>Hans Remeeus (PA1HR)
>http://www.remeeus.eu
>http://www.hansremeeus.nl
>Communication is about people, the rest is technology.
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4232. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-01 11:56:27 UTC
From: Bob Naumann
Topic: 4197 Message: 4232

About $3500 for the amp and about $600 for the new 2000A remote.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill NY9H
Sent: Friday, July 01, 2011 6:54 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] News from Acom

what is the pricing for the SS amp & the remote for the 2000A;
sri if i missed it ....

bill

At 02:40 AM 6/29/2011, Hans Remeeus wrote:
>Hello group,
>
>Here are my photos:
>
>Acom 800S solid state linear amplifier:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1535335555/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
>
>Acom2000A remote control unit:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/205074614/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
>
>Acom2000A remote control unit:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1616322251/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
>
>Acom 03AT Automatic Antenna Tuner:
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1784975744/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
>
>
>73,
>Hans Remeeus (PA1HR)
>http://www.remeeus.eu
>http://www.hansremeeus.nl
>Communication is about people, the rest is technology.
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4233. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-01 12:02:32 UTC
From: Bill NY9H
Topic: 4197 Message: 4233

tnx Bob,, did they give an expected ship date, and does the new
remote require any hard or soft changes to the 2000A??

At 07:56 AM 7/1/2011, you wrote:
>About $3500 for the amp and about $600 for the new 2000A remote.
>
>-----Original Message-----
>From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
>Of Bill NY9H
>Sent: Friday, July 01, 2011 6:54 AM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] News from Acom
>
>what is the pricing for the SS amp & the remote for the 2000A;
>sri if i missed it ....
>
>bill
>
>
>At 02:40 AM 6/29/2011, Hans Remeeus wrote:
> >Hello group,
> >
> >Here are my photos:
> >
> >Acom 800S solid state linear amplifier:
> >http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1535335
>555/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
> >
> >Acom2000A remote control unit:
> >http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/2050746
>14/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
> >
> >Acom2000A remote control unit:
> >http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1616322
>251/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
> >
> >Acom 03AT Automatic Antenna Tuner:
> >http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1784975
>744/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
> >
> >
> >73,
> >Hans Remeeus (PA1HR)
> >http://www.remeeus.eu
> >http://www.hansremeeus.nl

> >Communication is about people, the rest is technology.
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4234. RE: [acom-list] News from Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-01 12:40:51 UTC
From: Bob Naumann
Topic: 4197 Message: 4234

The answer was "maybe by the end of this year" for all new products. All pricing given thus far are estimates only.

No details on what, if any, mods will be required for the 2000A. I do have some questions pending with the factory however requesting these details among others.

The Acom staff is busy with sponsoring a Bulgaria Field Day event this weekend so no response is expected until next week sometime.

-Bob

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill NY9H
Sent: Friday, July 01, 2011 7:03 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] News from Acom

tnx Bob,, did they give an expected ship date, and does the new remote require any hard or soft changes to the 2000A??

At 07:56 AM 7/1/2011, you wrote:
>About $3500 for the amp and about $600 for the new 2000A remote.
>
>-----Original Message-----
>From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
>Of Bill NY9H
>Sent: Friday, July 01, 2011 6:54 AM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] News from Acom
>
>what is the pricing for the SS amp & the remote for the 2000A;
>sri if i missed it ....
>
>bill
>
>
>At 02:40 AM 6/29/2011, Hans Remeeus wrote:
> >Hello group,
> >
> >Here are my photos:
> >
> >Acom 800S solid state linear amplifier:
>

>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1535335
>555/view?picmode=&mode=tn&order=ordinal&start=1&count=20&dir=asc
> >
> >Acom2000A remote control unit:
>
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/2050746
>14/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
> >
> >Acom2000A remote control unit:
>
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1616322
>251/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
> >
> >Acom 03AT Automatic Antenna Tuner:
>
>http://groups.yahoo.com/group/acom-list/photos/album/1593067180/pic/1784975
>744/view?picmode=medium&mode=tn&order=ordinal&start=1&dir=asc
> >
> >
> >73,
> >Hans Remeeus (PA1HR)
> >http://www.remeeus.eu
> >http://www.hansremeeus.nl
> >Communication is about people, the rest is technology.
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Yahoo! Groups Links

4235. Remote contr

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-02 18:05:54 UTC
From: dk3hv
Topic: 4235 Message: 4235

They mentioned in fhafen 2685 incl vat for the solid state amp and 465 euro for he new remote contr.
vy73
Hanno, dk3hv

4236. ACOM1000 Front Bezel

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-03 10:44:34 UTC
From: ranges_2001
Topic: 4236 Message: 4236

Hello

I purchased an ACOM1000 with a front bezel I have never seem before in any photos. Just hoping someone can tell me about the age of this amplifier. I uploaded a photo in the photos section.

Thanks, Randy/n4jzy

4237. RE: [acom-list] ACOM1000 Front Bezel

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-03 10:50:04 UTC
From: Bob Naumann
Topic: 4236 Message: 4237

It's not clear from the photo what the black edge is on the front panel, but this is something the previous user must have added. I've never seen this before.

73,

Bob W5OV
Array Solutions
Acom Dealer

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ranges_2001
Sent: Sunday, July 03, 2011 5:45 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM1000 Front Bezel

Hello

I purchased an ACOM1000 with a front bezel I have never seem before in any photos. Just hoping someone can tell me about the age of this amplifier. I uploaded a photo in the photos section.

Thanks, Randy/n4jzy

Yahoo! Groups Links

4238. What a shame

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-05 20:12:47 UTC
From: Jack K5FSE
Topic: 4238 Message: 4238

Don't know the true story about Dennis, but when there are that many complaints, anyone would be a fool to even think about doing business with anyone so controversal. I almost inquired about the tubes, but, not after all the comotion. Where there is smoke, there is fire. What a shame!

Jack K5FSE
Cumming, GA

4239. Re: [acom-list] What a shame

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-06 02:09:20 UTC
From: Peter Bucy
Topic: 4238 Message: 4239

It is extremely uncommon to find someone on any forum or ebay who has so many complaints who is a straight-up guy who is being maligned by a conspiracy of people who don't even know each other. I take these reviews very seriously.

I would never do business with someone who had that many complaints.

Pete

On 7/5/2011 4:12 PM, Jack K5FSE wrote:
> Don't know the true story about Dennis, but when there are that many
> complaints, anyone would be a fool to even think about doing business
> with anyone so controversal. I almost inquired about the tubes, but,
> not after all the comotion. Where there is smoke, there is fire. What
> a shame!
>
> Jack K5FSE Cumming, GA
>
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> Yahoo! Groups Links
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--
Pete

KD4CQZ

4240. ACOM Director 0.4.0 (Beta) Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-08 17:28:04 UTC
From: James Thresher
Topic: 4240 Message: 4240

It's taken a while longer than I'd hoped due to work commitments, but ACOM Director 0.4.0 (Beta) is now available.

There are many changes and enhancements in this version, The remote control (over network or internet) capability isn't quite ready yet so this will be in version 0.5.0. I have listed details of the changes below. The biggest change is that the application will now run as a small icon in the system tray (the icons in the bottom right of the screen in windows). Double clicking the icon will display the control panel, right clicking it will give a set of menu options.

If you are using Vista or Windows 7 then you may need to right click the icon and choose "Run as Administrator" the first time you run the new version.

I have also added a dedicated page to my website for the software with some information about the cable type that is required to connect the PC to the ACOM 2000. This can be accessed here
http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software

Thank you for all the feedback so far, it has been extremely valuable and I would welcome any further comments on this latest version

0.4.0

FIX: The red Fwd Power and Rfl Power LED's were not gradient shaded when lit.

FIX: Exit menu option did not work

FIX: The Forward and Reflected power indicators would often show an extra led when compared to the RCU

NEW: Added splash screen

NEW: Overhaul of the UI Logic, seperated out to support multiple UI's

NEW: Overhaul of the ACOM2000A State Management in order to support multiple UI's

NEW: Application now runs with an icon in the system tray

NEW: Added the ability to keep the control panel window on top of all other windows

NEW: Added improved error handling with the ability to email back error details for quicker debugging of problems

NEW: New Single Instance system added to stop multiple copies of the application being run

NEW: Added new mini version of the control panel

NEW: Removed the drop down menus from the control panel screen, these are now available by right clicking on the system tray icon

NEW: Double clicking the system tray icon now displays the control panel window

NEW: Closing the control panel window no longer closes the application, you must right click on the system tray icon and select "Exit" to quit

NEW: Added the ability to support many different control panel types in the future

NEW: Control Panel Window position is now remembered

NEW: Each type of control panel remembers it's window position independently

NEW: Removed the ability to minimize the control panel windows as closing them serves the same purpose

NEW: Added the ability to choose between control panel types and switch types on the fly

NEW: Added the option to show the control panel on startup

73 James M0YOM

[Non-text portions of this message have been removed]

4241. ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-08 21:09:57 UTC
From: James Thresher
Topic: 4241 Message: 4241

A couple of problems were identified with the earlier release of version 0.4, I have now posted version 0.4.2 which should cure these problems.

They related specifically to anyone upgrading from version 0.2.

73 James M0YOM

[Non-text portions of this message have been removed]

4242. Acom Director 0.4.0 (Beta)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 03:03:46 UTC
From: W1JCW
Topic: 4240 Message: 4242

Thank you James for all of the hard work.

Excellent job as usual.

73-
W1JCW
John

From: James Thresher
Sent: Friday, July 08, 2011 12:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM Director 0.4.0 (Beta) Now Available

It's taken a while longer than I'd hoped due to work commitments, but ACOM Director 0.4.0 (Beta) is now available.

There are many changes and enhancements in this version, The remote control (over network or internet) capability isn't quite ready yet so this will be in version 0.5.0. I have listed details of the changes below. The biggest change is that the application will now run as a small icon in the system tray (the icons in the bottom right of the screen in windows). Double clicking the icon will display the control panel, right clicking it will give a set of menu options.

If you are using Vista or Windows 7 then you may need to right click the icon and choose "Run as Administrator" the first time you run the new version.

I have also added a dedicated page to my website for the software with some information about the cable type that is required to connect the PC to the ACOM 2000. This can be accessed here
http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software

Thank you for all the feedback so far, it has been extremely valuable and I would welcome any further comments on this latest version

0.4.0

FIX: The red Fwd Power and Rfl Power LED's were not gradient shaded when lit.

FIX: Exit menu option did not work

FIX: The Forward and Reflected power indicators would often show an extra led when compared to the RCU

NEW: Added splash screen

NEW: Overhaul of the UI Logic, seperated out to support multiple UI's

NEW: Overhaul of the ACOM2000A State Management in order to support multiple UI's

NEW: Application now runs with an icon in the system tray

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NEW: Removed the drop down menus from the control panel screen, these are now available by right clicking on the system tray icon

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NEW: Closing the control panel window no longer closes the application, you must right click on the system tray icon and select "Exit" to quit

NEW: Added the ability to support many different control panel types in the future

NEW: Control Panel Window position is now remembered

NEW: Each type of control panel remembers it's window position independently

NEW: Removed the ability to minimize the control panel windows as closing them serves the same purpose

NEW: Added the ability to choose between control panel types and switch types on the fly

NEW: Added the option to show the control panel on startup

73 James M0YOM

[Non-text portions of this message have been removed]

4243. RE: [acom-list] Acom Director 0.4.0 (Beta)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 03:43:04 UTC
From: Ron Castro
Topic: 4240 Message: 4243

Yes! Thanks for good work! I installed the newest version v. 0.4.2 this evening and it works. One bug I noticed in the first version that I still see in this one is that I can't read the HV parameter. It reads OK on the hardware controller and on the 'factory' software remote.

BTW...I'm pouring concrete tomorrow on the tower foundation for my new remote controlled station that will use the ACOM2000A with the M0YOM software!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W1JCW
Sent: Friday, July 08, 2011 8:04 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom Director 0.4.0 (Beta)

Thank you James for all of the hard work.

Excellent job as usual.

73-
W1JCW
John

From: James Thresher
Sent: Friday, July 08, 2011 12:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM Director 0.4.0 (Beta) Now Available

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73 James M0YOM

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4244. Future ACOM Service

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 12:36:40 UTC
From: Kenneth
Topic: 4241 Message: 4244

My ACOM2000 is in Massachusetts, and Kassy is in Europe. It seems he is THE maintenance deparment in MA. Emails are unanswered.

And I hear he has had some health issues. I am concerned what happens when he can not service the units. Who will pick up the slack?

Ken

4245. RE: [acom-list] Acom Director 0.4.0 (Beta)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 13:36:44 UTC
From: James Thresher
Topic: 4240 Message: 4245

Hi Ron,

Thanks for your comments,

I have now found the cause of the HV measuring problem, this has been fixed in the next release.

I hope the concrete pour goes well, I would be very interested to hear about your new remote station once it's up and running. I hope the software works well for you.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: 09 July 2011 04:43
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom Director 0.4.0 (Beta)

Yes! Thanks for good work! I installed the newest version v. 0.4.2 this evening and it works. One bug I noticed in the first version that I still see in this one is that I can't read the HV parameter. It reads OK on the hardware controller and on the 'factory' software remote.

BTW...I'm pouring concrete tomorrow on the tower foundation for my new remote controlled station that will use the ACOM2000A with the M0YOM software!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf Of W1JCW
Sent: Friday, July 08, 2011 8:04 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Acom Director 0.4.0 (Beta)

Thank you James for all of the hard work.

Excellent job as usual.

73-
W1JCW
John

From: James Thresher
Sent: Friday, July 08, 2011 12:28 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM Director 0.4.0 (Beta) Now Available

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73 James M0YOM

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4246. Re: [acom-list] ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 15:28:53 UTC
From: Brian Alsop
Topic: 4241 Message: 4246

Hi James,

Dumb inquiry.
I don't see anywhere to download version 0.4.2 on the webpage.
Did click on latest updates and get a done. But I don't see anything
saved anywhere.
73 de Brian/K3KO

On 7/8/2011 21:09, James Thresher wrote:
>
>
> A couple of problems were identified with the earlier release of version
> 0.4, I have now posted version 0.4.2 which should cure these problems.
>
> They related specifically to anyone upgrading from version 0.2.
>
> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1388 / Virus Database: 1516/3751 - Release Date: 07/08/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date: 07/09/11

4247. RE: [acom-list] ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 15:42:18 UTC
From: James Thresher
Topic: 4241 Message: 4247

Hi Brian,

Here is the direct link to the downloads page

http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director

You should be able to download 0.4.2 from there.

73 James M0YOM

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Brian Alsop
Sent: 09 July 2011 16:29
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.4.2

Hi James,

Dumb inquiry.
I don't see anywhere to download version 0.4.2 on the webpage.
Did click on latest updates and get a done. But I don't see anything saved anywhere.
73 de Brian/K3KO

On 7/8/2011 21:09, James Thresher wrote:
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>
> A couple of problems were identified with the earlier release of
> version 0.4, I have now posted version 0.4.2 which should cure these problems.
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> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>
> --
> --
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> No virus found in this message.
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Yahoo! Groups Links

4248. Re: [acom-list] Future ACOM Service

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 16:19:10 UTC
From: GeorgeF.
Topic: 4241 Message: 4248

Try Array Solutions.
They just repaired my ACOM 1000 and I was without my amp for only 2 weeks. It would have been just 1 week however they had a little shipping problem....

George - KI4FIA
shack pics: http://www.milaircomms.com/shack.html

At 12:36 7/9/2011 +0000, you wrote:

>My ACOM2000 is in Massachusetts, and Kassy is in Europe. It seems he is
>THE maintenance deparment in MA. Emails are unanswered.
>
>And I hear he has had some health issues. I am concerned what happens
>when he can not service the units. Who will pick up the slack?
>
>Ken
>
>
>
>
>
>------------------------------------
>
>Yahoo! Groups Links
>
>
>

4249. Re: [acom-list] ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 15:49:29 UTC
From: Brian Alsop
Topic: 4241 Message: 4249

Thanks James.

Found it and installed it. Guessed wrong about the COM port # and see
no way to change it. Remove and reinstall?

73 de Brian/K3KO

On 7/9/2011 15:42, James Thresher wrote:
>
>
> Hi Brian,
>
> Here is the direct link to the downloads page
>
> http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director
>
> You should be able to download 0.4.2 from there.
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On Behalf
> Of Brian Alsop
> Sent: 09 July 2011 16:29
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] ACOM Director 0.4.2
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> Hi James,
>
> Dumb inquiry.
> I don't see anywhere to download version 0.4.2 on the webpage.
> Did click on latest updates and get a done. But I don't see anything saved
> anywhere.
> 73 de Brian/K3KO
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> On 7/8/2011 21:09, James Thresher wrote:
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> > A couple of problems were identified with the earlier release of
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> problems.
> >
> > They related specifically to anyone upgrading from version 0.2.
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> > 73 James M0YOM
> >
> > [Non-text portions of this message have been removed]
> >
> >
> > --
> > --
> >
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> Yahoo! Groups Links
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Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date: 07/09/11

4250. RE: [acom-list] ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 16:44:55 UTC
From: James Thresher
Topic: 4241 Message: 4250

Hi Brian,

The application now puts an icon in the windows system tray (next to where the date and time is displayed in the bottom right of your screen)

If you right click on the icon (it's a blue ACOM logo) then you will get a menu displayed, the top option is configuration which will allow you to change the COM port.

73 James M0YOM

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Brian Alsop
Sent: 09 July 2011 16:49
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.4.2

Thanks James.

Found it and installed it. Guessed wrong about the COM port # and see no way to change it. Remove and reinstall?

73 de Brian/K3KO

On 7/9/2011 15:42, James Thresher wrote:
>
>
> Hi Brian,
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> Here is the direct link to the downloads page
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> http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director
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> You should be able to download 0.4.2 from there.
>
> 73 James M0YOM
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> On Behalf
> Of Brian Alsop
> Sent: 09 July 2011 16:29
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] ACOM Director 0.4.2

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> Hi James,
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> Dumb inquiry.
> I don't see anywhere to download version 0.4.2 on the webpage.
> Did click on latest updates and get a done. But I don't see anything
> saved anywhere.
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> On 7/8/2011 21:09, James Thresher wrote:
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Yahoo! Groups Links

4251. Re: [acom-list] ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 17:51:58 UTC
From: Brian Alsop
Topic: 4241 Message: 4251

James
Got it. Works. Looking to the version that reads HV correctly.

Pretty neat. The parameter display scrolling/selection seems to have
some problem. I scroll down to show tube filament voltage in the list
and move over to click. The list zips back up to the top of the
parameters list. One can eventually select stuff but it's not solid.

I do note that exiting it by clicking on the upper right X does not end
the process. To really end it, one must end via the task tray ICON. Is
that intended?

73 & good work
Brian/K3KO

I had no luck at all with a program that simply wanted to change from
one antenna to an alternate in a given segment. Kept getting into
infinite loops of garbage. Glad someone figured out the contorted
system used by ACOM.

On 7/9/2011 16:44, James Thresher wrote:
>
>
> Hi Brian,
>
> The application now puts an icon in the windows system tray (next to where
> the date and time is displayed in the bottom right of your screen)
>
> If you right click on the icon (it's a blue ACOM logo) then you will get a
> menu displayed, the top option is configuration which will allow you to
> change the COM port.
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On Behalf
> Of Brian Alsop
> Sent: 09 July 2011 16:49
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] ACOM Director 0.4.2
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>
> Found it and installed it. Guessed wrong about the COM port # and see no

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> > Of Brian Alsop
> > Sent: 09 July 2011 16:29
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> > Hi James,
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> > > They related specifically to anyone upgrading from version 0.2.
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> > > 73 James M0YOM
> > >
> > > [Non-text portions of this message have been removed] > > >
> > --

> > > --
> > >
> > > No virus found in this message.
> > > Checked by AVG - www.avg.com <http://www.avg.com> > Version:
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> >
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> > ---
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> > Yahoo! Groups Links
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date: 07/09/11

4252. RE: [acom-list] ACOM Director 0.4.2

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-09 18:01:58 UTC
From: James Thresher
Topic: 4241 Message: 4252

Hi Brian,

Yes, exiting by clicking the X is not intended to close the application, this is new in this version. One of the features that I'm adding in a future version is for background notifications, so if you didn't want to show the control panel it would still inform you if for example you peaked over a set power threshold or if the amp tripped into standby.

I wasn't aware of the problem with selecting the measurement metrics, it is probably related to the new multiple control panel code as I'm pretty sure it was working properly in 0.2.0, I'll look into this.

The control protocol is certainly strange to say the least, it did take quite a bit of working out (and I'm not entirely there yet, some control commands still need figuring out)

73 James M0YOM

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Brian Alsop
Sent: 09 July 2011 18:52
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.4.2

James
Got it. Works. Looking to the version that reads HV correctly.

Pretty neat. The parameter display scrolling/selection seems to have some problem. I scroll down to show tube filament voltage in the list and move over to click. The list zips back up to the top of the parameters list. One can eventually select stuff but it's not solid.

I do note that exiting it by clicking on the upper right X does not end the process. To really end it, one must end via the task tray ICON. Is that intended?

73 & good work
Brian/K3KO

I had no luck at all with a program that simply wanted to change from one antenna to an alternate in a given segment. Kept getting into infinite loops of garbage. Glad someone figured out the contorted system used by ACOM.

On 7/9/2011 16:44, James Thresher wrote:
>
>

> Hi Brian,
>
> The application now puts an icon in the windows system tray (next to
> where the date and time is displayed in the bottom right of your
> screen)
>
> If you right click on the icon (it's a blue ACOM logo) then you will
> get a menu displayed, the top option is configuration which will allow
> you to change the COM port.
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>]
> On Behalf
> Of Brian Alsop
> Sent: 09 July 2011 16:49
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] ACOM Director 0.4.2
>
> Thanks James.
>
> Found it and installed it. Guessed wrong about the COM port # and see
> no way to change it. Remove and reinstall?
>
> 73 de Brian/K3KO
>
> On 7/9/2011 15:42, James Thresher wrote:
> >
> >
> > Hi Brian,
> >
> > Here is the direct link to the downloads page > >
> http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director
> >
> > You should be able to download 0.4.2 from there.
> >
> > 73 James M0YOM
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>
> <mailto:acom-list%40yahoogroups.com>
> > [mailto:acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>
> > <mailto:acom-list%40yahoogroups.com>]
> > On Behalf
> > Of Brian Alsop

> > Sent: 09 July 2011 16:29
> > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> <mailto:acom-list%40yahoogroups.com>
> > Subject: Re: [acom-list] ACOM Director 0.4.2 > > Hi James, > >
> Dumb inquiry.
> > I don't see anywhere to download version 0.4.2 on the webpage.
> > Did click on latest updates and get a done. But I don't see
> anything > saved anywhere.
> > 73 de Brian/K3KO
> >
> > On 7/8/2011 21:09, James Thresher wrote:
> > >
> > >
> > > A couple of problems were identified with the earlier release of
> > > version 0.4, I have now posted version 0.4.2 which should cure
> these > problems.
> > >
> > > They related specifically to anyone upgrading from version 0.2.
> > >
> > > 73 James M0YOM
> > >
> > > [Non-text portions of this message have been removed] > > > >
> --
> > > --
> > >
> > > No virus found in this message.
> > > Checked by AVG - www.avg.com <http://www.avg.com> > Version:
> > 10.0.1388 / Virus Database: 1516/3751 - Release Date:
> > > 07/08/11
> > >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date:
> > 07/09/11
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
> >
> > --
> > --
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com> > Version:
> 10.0.1388 / Virus Database: 1516/3754 - Release Date:
> > 07/09/11
> >

>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date:
> 07/09/11
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
> --
> --
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date:
> 07/09/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1516/3754 - Release Date: 07/09/11

Yahoo! Groups Links

4253. ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 09:01:11 UTC
From: James Thresher
Topic: 4253 Message: 4253

ACOM Director 0.4.3 is now available, this is a bug fix only release and should cure a number of issues that were stopping some users from being able to run the application.

Head over to http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director to download this version.

The main change is that the location of the configuration file has now changed, this used to be stored in the program files folder along with the application files, however this appears to have been causing some users permissions problems, so it is now stored in the user's application data folder. This means that unfortunately you will have to re-configure ACOM Director the first time you run this version.

Changes in this version

0.4.3

FIX: When measuring HV the figure displayed did not match that displayed when measuring HV using the RCU

FIX: Some users experiencing a System.UnauthorizedAccessException when trying to save the config file, config file is now stored in the users 'Application Data' folder

FIX: Configuration Dialog box causes error on some machines due to windows reporting duplicate COM ports (System.ArgumentException Message : An entry with the same key already exists.)

FIX: The Measurement Metric drop downs were "Jumping" around and not easily allowing the user to pick a measurement item on large control panel interface

73 James M0YOM

[Non-text portions of this message have been removed]

4254. Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 12:49:15 UTC
From: Brian Alsop
Topic: 4253 Message: 4254

Hi James,

Thanks for these fixes. The drop down parameters box now works fine.

However, I've run into the dreaded:
"ACOM DIRECTOR has encountered a problem and needs to close"

It does not occur if one is NOT monitoring a metric. It showed up when
I was trying to monitor plate current and plate voltage while
transmitting. Reproducable.

Another item of interest. If I connect DIRECTOR to the 2000 while it is
warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it
previously echo'd the warming up test on the ACOM remote head.
(Recollection could be wrong) Once warmed up, the DIRECTOR display is OK.

73 de Brian/K3KO

On 7/10/2011 09:01, James Thresher wrote:
>
>
> ACOM Director 0.4.3 is now available, this is a bug fix only release and
> should cure a number of issues that were stopping some users from being able
> to run the application.
>
> Head over to
> http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director to
> download this version.
>
> The main change is that the location of the configuration file has now
> changed, this used to be stored in the program files folder along with the
> application files, however this appears to have been causing some users
> permissions problems, so it is now stored in the user's application data
> folder. This means that unfortunately you will have to re-configure ACOM
> Director the first time you run this version.
>
> Changes in this version
>
> 0.4.3
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date: 07/10/11

4255. Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 12:55:51 UTC
From: Fulvio Galli
Topic: 4253 Message: 4255

Hi James,

good work for the 0.4.3 beta.
Moreover on the list of problems noted by Brian.
I left my AcomDirector running during the entire IARU HF Contest.
I noticed this morning, after 3 hours sleeping that the
metrics (Metric a = Mains, Metric b = reflected power)
were not updated. Values were frozen at some values.
I needed to stop / start the measurements to keep the program showing the live values.

Best 73 de HB9DHG
Fulvio

Running: 0.4.3 beta
OS: Windows 7 64bit
running on MAC Pro Parallels 6

On Jul 10, 2011, at 2:49 PM, Brian Alsop wrote:

> Hi James,
>
> Thanks for these fixes. The drop down parameters box now works fine.
>
> However, I've run into the dreaded:
> "ACOM DIRECTOR has encountered a problem and needs to close"
>
> It does not occur if one is NOT monitoring a metric. It showed up when
> I was trying to monitor plate current and plate voltage while
> transmitting. Reproducable.
>
> Another item of interest. If I connect DIRECTOR to the 2000 while it is
> warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it
> previously echo'd the warming up test on the ACOM remote head.
> (Recollection could be wrong) Once warmed up, the DIRECTOR display is OK.
>
> 73 de Brian/K3KO
>
> On 7/10/2011 09:01, James Thresher wrote:
> >
> >
> > ACOM Director 0.4.3 is now available, this is a bug fix only release and
> > should cure a number of issues that were stopping some users from being able
> > to run the application.
> >
> > Head over to
> > http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director to

> > download this version.
> >
> > The main change is that the location of the configuration file has now
> > changed, this used to be stored in the program files folder along with the
> > application files, however this appears to have been causing some users
> > permissions problems, so it is now stored in the user's application data
> > folder. This means that unfortunately you will have to re-configure ACOM
> > Director the first time you run this version.
> >
> > Changes in this version
> >
> > 0.4.3
> >
> >
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date: 07/10/11
>
>

4256. RE: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 12:57:33 UTC
From: James Thresher
Topic: 4253 Message: 4256

Hi Brian,

Thanks for the feedback, Does the "ACOM Director has encountered a problem" error only occur when measuring Plate Voltage or does it also do it when measuring other items?

The software will display the warm up message, but only if it's connected before the ACOM2000 is turned on, this is because the ACOM2000 only sends the message to say it's warming up once at the start of the power on sequence, if ACOM Director is connected during warm up then it can't tell if it's powered off or not until the warm up is complete.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Brian Alsop
Sent: 10 July 2011 13:49
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Hi James,

Thanks for these fixes. The drop down parameters box now works fine.

However, I've run into the dreaded:
"ACOM DIRECTOR has encountered a problem and needs to close"

It does not occur if one is NOT monitoring a metric. It showed up when I was trying to monitor plate current and plate voltage while transmitting. Reproducable.

Another item of interest. If I connect DIRECTOR to the 2000 while it is warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it previously echo'd the warming up test on the ACOM remote head. (Recollection could be wrong) Once warmed up, the DIRECTOR display is OK.

73 de Brian/K3KO

On 7/10/2011 09:01, James Thresher wrote:
>
>
> ACOM Director 0.4.3 is now available, this is a bug fix only release and
> should cure a number of issues that were stopping some users from being
able
> to run the application.
>
> Head over to
> http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director to

> download this version.
>
> The main change is that the location of the configuration file has now
> changed, this used to be stored in the program files folder along with the
> application files, however this appears to have been causing some users
> permissions problems, so it is now stored in the user's application data
> folder. This means that unfortunately you will have to re-configure ACOM
> Director the first time you run this version.
>
> Changes in this version
>
> 0.4.3
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date: 07/10/11

[Non-text portions of this message have been removed]

4257. RE: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 13:04:28 UTC
From: James Thresher
Topic: 4253 Message: 4257

Hi Fulvio,

Thanks for the information, I'll leave mine running for a few hours and see if I can replicate the issue.

73 James M0YOM

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Fulvio Galli
Sent: 10 July 2011 13:56
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Hi James,

good work for the 0.4.3 beta.
Moreover on the list of problems noted by Brian.
I left my AcomDirector running during the entire IARU HF Contest.
I noticed this morning, after 3 hours sleeping that the metrics (Metric a = Mains, Metric b = reflected power) were not updated. Values were frozen at some values.
I needed to stop / start the measurements to keep the program showing the live values.

Best 73 de HB9DHG
Fulvio

Running: 0.4.3 beta
OS: Windows 7 64bit
running on MAC Pro Parallels 6

On Jul 10, 2011, at 2:49 PM, Brian Alsop wrote:

> Hi James,
>
> Thanks for these fixes. The drop down parameters box now works fine.
>
> However, I've run into the dreaded:
> "ACOM DIRECTOR has encountered a problem and needs to close"
>
> It does not occur if one is NOT monitoring a metric. It showed up when
> I was trying to monitor plate current and plate voltage while
> transmitting. Reproducable.
>
> Another item of interest. If I connect DIRECTOR to the 2000 while it
> is warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it

> previously echo'd the warming up test on the ACOM remote head.
> (Recollection could be wrong) Once warmed up, the DIRECTOR display is OK.
>
> 73 de Brian/K3KO
>
> On 7/10/2011 09:01, James Thresher wrote:
> >
> >
> > ACOM Director 0.4.3 is now available, this is a bug fix only release
> > and should cure a number of issues that were stopping some users
> > from being able to run the application.
> >
> > Head over to
> > http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director
> > to download this version.
> >
> > The main change is that the location of the configuration file has
> > now changed, this used to be stored in the program files folder
> > along with the application files, however this appears to have been
> > causing some users permissions problems, so it is now stored in the
> > user's application data folder. This means that unfortunately you
> > will have to re-configure ACOM Director the first time you run this
version.
> >
> > Changes in this version
> >
> > 0.4.3
> >
> >
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date:
> 07/10/11
>
>

Yahoo! Groups Links

4258. Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 13:09:51 UTC
From: Fulvio Galli
Topic: 4253 Message: 4258

Thank you James,

I would like to check if you have in the wish-list
the station master Protocol.
I was running your program directly connected with an USB/Serial converter.
Worked like a charm but I'm interested to use the built-in serial port available on the Microham Station Master.
Not a big deal .. just a reminder ;-)

Keep up your good work!
73 de HB9DHG Fulvio

On Jul 10, 2011, at 3:04 PM, James Thresher wrote:

> Hi Fulvio,
>
> Thanks for the information, I'll leave mine running for a few hours and see
> if I can replicate the issue.
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Fulvio Galli
> Sent: 10 July 2011 13:56
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available
>
> Hi James,
>
> good work for the 0.4.3 beta.
> Moreover on the list of problems noted by Brian.
> I left my AcomDirector running during the entire IARU HF Contest.
> I noticed this morning, after 3 hours sleeping that the metrics (Metric a =
> Mains, Metric b = reflected power) were not updated. Values were frozen at
> some values.
> I needed to stop / start the measurements to keep the program showing the
> live values.
>
> Best 73 de HB9DHG
> Fulvio
>
> Running: 0.4.3 beta
> OS: Windows 7 64bit
> running on MAC Pro Parallels 6
>

> On Jul 10, 2011, at 2:49 PM, Brian Alsop wrote:
>
> > Hi James,
> >
> > Thanks for these fixes. The drop down parameters box now works fine.
> >
> > However, I've run into the dreaded:
> > "ACOM DIRECTOR has encountered a problem and needs to close"
> >
> > It does not occur if one is NOT monitoring a metric. It showed up when
> > I was trying to monitor plate current and plate voltage while
> > transmitting. Reproducable.
> >
> > Another item of interest. If I connect DIRECTOR to the 2000 while it
> > is warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it
> > previously echo'd the warming up test on the ACOM remote head.
> > (Recollection could be wrong) Once warmed up, the DIRECTOR display is OK.
> >
> > 73 de Brian/K3KO
> >
> > On 7/10/2011 09:01, James Thresher wrote:
> > >
> > >
> > > ACOM Director 0.4.3 is now available, this is a bug fix only release
> > > and should cure a number of issues that were stopping some users
> > > from being able to run the application.
> > >
> > > Head over to
> > > http://www.m0yom.co.uk/index.php/downloads/category/2-acom-director
> > > to download this version.
> > >
> > > The main change is that the location of the configuration file has
> > > now changed, this used to be stored in the program files folder
> > > along with the application files, however this appears to have been
> > > causing some users permissions problems, so it is now stored in the
> > > user's application data folder. This means that unfortunately you
> > > will have to re-configure ACOM Director the first time you run this
> version.
> > >
> > > Changes in this version
> > >
> > > 0.4.3
> > >
> > >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date:
> > 07/10/11

> >
> >
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>

4259. RE: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 13:14:13 UTC
From: James Thresher
Topic: 4253 Message: 4259

Hi Fulvio,

Yes, I've got the use of the Station Master for connection to the ACOM in the wish-list, I'm not sure if it will be possible to achieve yet or not as MicroHam don't publish the full protocol, I will be emailing them once version 0.5.0 is finished to ask them for a full spec on the Station Master and MK2/MK2R/MK2R+ control protocols.

73 James M0YOM

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Fulvio Galli
Sent: 10 July 2011 14:10
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Thank you James,

I would like to check if you have in the wish-list the station master Protocol.
I was running your program directly connected with an USB/Serial converter.
Worked like a charm but I'm interested to use the built-in serial port available on the Microham Station Master.
Not a big deal .. just a reminder ;-)

Keep up your good work!
73 de HB9DHG Fulvio

On Jul 10, 2011, at 3:04 PM, James Thresher wrote:

> Hi Fulvio,
>
> Thanks for the information, I'll leave mine running for a few hours
> and see if I can replicate the issue.
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of Fulvio Galli
> Sent: 10 July 2011 13:56
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available
>
> Hi James,
>

> good work for the 0.4.3 beta.
> Moreover on the list of problems noted by Brian.
> I left my AcomDirector running during the entire IARU HF Contest.
> I noticed this morning, after 3 hours sleeping that the metrics (
> Metric a = Mains, Metric b = reflected power) were not updated. Values
> were frozen at some values.
> I needed to stop / start the measurements to keep the program showing
> the live values.
>
> Best 73 de HB9DHG
> Fulvio
>
> Running: 0.4.3 beta
> OS: Windows 7 64bit
> running on MAC Pro Parallels 6
>
> On Jul 10, 2011, at 2:49 PM, Brian Alsop wrote:
>
> > Hi James,
> >
> > Thanks for these fixes. The drop down parameters box now works fine.
> >
> > However, I've run into the dreaded:
> > "ACOM DIRECTOR has encountered a problem and needs to close"
> >
> > It does not occur if one is NOT monitoring a metric. It showed up
> > when I was trying to monitor plate current and plate voltage while
> > transmitting. Reproducable.
> >
> > Another item of interest. If I connect DIRECTOR to the 2000 while it
> > is warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it
> > previously echo'd the warming up test on the ACOM remote head.
> > (Recollection could be wrong) Once warmed up, the DIRECTOR display is
OK.
> >
> > 73 de Brian/K3KO
> >
> > On 7/10/2011 09:01, James Thresher wrote:
> > >
> > >
> > > ACOM Director 0.4.3 is now available, this is a bug fix only
> > > release and should cure a number of issues that were stopping some
> > > users from being able to run the application.
> > >
> > > Head over to
> > > http://www.m0yom.co.uk/index.php/downloads/category/2-acom-directo
> > > r
> > > to download this version.
> > >
> > > The main change is that the location of the configuration file has

> > > now changed, this used to be stored in the program files folder
> > > along with the application files, however this appears to have
> > > been causing some users permissions problems, so it is now stored
> > > in the user's application data folder. This means that
> > > unfortunately you will have to re-configure ACOM Director the
> > > first time you run this
> version.
> > >
> > > Changes in this version
> > >
> > > 0.4.3
> > >
> > >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date:
> > 07/10/11
> >
> >
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>

Yahoo! Groups Links

4260. Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 13:17:02 UTC
From: Fulvio Galli
Topic: 4253 Message: 4260

That's a great news James,
No hurry at all ;-)

Best, HB9DHG Fulvio

On Jul 10, 2011, at 3:14 PM, James Thresher wrote:

> Hi Fulvio,
>
> Yes, I've got the use of the Station Master for connection to the ACOM in
> the wish-list, I'm not sure if it will be possible to achieve yet or not as
> MicroHam don't publish the full protocol, I will be emailing them once
> version 0.5.0 is finished to ask them for a full spec on the Station Master
> and MK2/MK2R/MK2R+ control protocols.
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@...m] On Behalf
> Of Fulvio Galli
> Sent: 10 July 2011 14:10
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available
>
> Thank you James,
>
> I would like to check if you have in the wish-list the station master
> Protocol.
> I was running your program directly connected with an USB/Serial converter.
> Worked like a charm but I'm interested to use the built-in serial port
> available on the Microham Station Master.
> Not a big deal .. just a reminder ;-)
>
> Keep up your good work!
> 73 de HB9DHG Fulvio
>
> On Jul 10, 2011, at 3:04 PM, James Thresher wrote:
>
> > Hi Fulvio,
> >
> > Thanks for the information, I'll leave mine running for a few hours
> > and see if I can replicate the issue.
> >
> > 73 James M0YOM
> >
> > -----Original Message-----

> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf Of Fulvio Galli
> > Sent: 10 July 2011 13:56
> > To: acom-list@yahoogroups.com
> > Subject: Re: [acom-list] ACOM Director 0.4.3 (Beta) Now available
> >
> > Hi James,
> >
> > good work for the 0.4.3 beta.
> > Moreover on the list of problems noted by Brian.
> > I left my AcomDirector running during the entire IARU HF Contest.
> > I noticed this morning, after 3 hours sleeping that the metrics (
> > Metric a = Mains, Metric b = reflected power) were not updated. Values
> > were frozen at some values.
> > I needed to stop / start the measurements to keep the program showing
> > the live values.
> >
> > Best 73 de HB9DHG
> > Fulvio
> >
> > Running: 0.4.3 beta
> > OS: Windows 7 64bit
> > running on MAC Pro Parallels 6
> >
> > On Jul 10, 2011, at 2:49 PM, Brian Alsop wrote:
> >
> > > Hi James,
> > >
> > > Thanks for these fixes. The drop down parameters box now works fine.
> > >
> > > However, I've run into the dreaded:
> > > "ACOM DIRECTOR has encountered a problem and needs to close"
> > >
> > > It does not occur if one is NOT monitoring a metric. It showed up
> > > when I was trying to monitor plate current and plate voltage while
> > > transmitting. Reproducable.
> > >
> > > Another item of interest. If I connect DIRECTOR to the 2000 while it
> > > is warming up, DIRECTOR tells me POWER IS OFF. I seem to recall it
> > > previously echo'd the warming up test on the ACOM remote head.
> > > (Recollection could be wrong) Once warmed up, the DIRECTOR display is
> OK.
> > >
> > > 73 de Brian/K3KO
> > >
> > > On 7/10/2011 09:01, James Thresher wrote:
> > > >
> > > >
> > > > ACOM Director 0.4.3 is now available, this is a bug fix only
> > > > release and should cure a number of issues that were stopping some

> > > > users from being able to run the application.
> > > >
> > > > Head over to
> > > > http://www.m0yom.co.uk/index.php/downloads/category/2-acom-directo
> > > > r
> > > > to download this version.
> > > >
> > > > The main change is that the location of the configuration file has
> > > > now changed, this used to be stored in the program files folder
> > > > along with the application files, however this appears to have
> > > > been causing some users permissions problems, so it is now stored
> > > > in the user's application data folder. This means that
> > > > unfortunately you will have to re-configure ACOM Director the
> > > > first time you run this
> > version.
> > > >
> > > > Changes in this version
> > > >
> > > > 0.4.3
> > > >
> > > >
> > > >
> > > -----
> > > No virus found in this message.
> > > Checked by AVG - www.avg.com
> > > Version: 10.0.1388 / Virus Database: 1516/3756 - Release Date:
> > > 07/10/11
> > >
> > >
> > >
> > ------------------------------------
> >
> > Yahoo! Groups Links
> >
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>
> Yahoo! Groups Links
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>

4261. ACOM Certified Service

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-10 15:27:15 UTC
From: Jay Terleski
Topic: 4261 Message: 4261

Array Solutions is a repair center and dealer for ACOM amplifiers (Bulgaria).

So if you need warranty work we can help you out as well.

You don't need to buy the amp from us to have it serviced later.

I hope that clarifies things a bit.

Regards to the group.

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

4262. Acom factory tour

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-12 04:00:37 UTC
From: kg4lru@aol.com
Topic: 4262 Message: 4262

Nice photos lots of neat gear coming out acom in the next year there transceiver

Phil AI4DQ

http://www.topband.net/perin7.htm (http://www.topband.net/perin7.htm)

[Non-text portions of this message have been removed]

4263. The links does work try the second one

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-12 04:31:45 UTC
From: kg4lru@aol.com
Topic: 4263 Message: 4263

http://www.topband.net/perin7.htm (http://www.topband.net/perin7.htm)

[Non-text portions of this message have been removed]

4264. Re: [acom-list] ACOM Certified Service

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-12 08:48:22 UTC
From: Peter Bucy
Topic: 4261 Message: 4264

For those of you not familiar with Array Solutions, I can assure you that these guys are as good as it gets. The reason that I purchased the Acom 1010 was that it was sold and serviced by Array Solutions. Their reputation is excellent.

Pete

KD4CQZ

On 7/10/2011 11:27 AM, Jay Terleski wrote:
> Array Solutions is a repair center and dealer for ACOM amplifiers
> (Bulgaria).
>
> So if you need warranty work we can help you out as well.
>
> You don't need to buy the amp from us to have it serviced later.
>
> I hope that clarifies things a bit.
>
> Regards to the group.
>

--
Pete

KD4CQZ

4265. Re: [acom-list] ACOM Certified Service

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-12 12:42:08 UTC
From: Jim Cox
Topic: 4261 Message: 4265

AGREED, they are an excellent company to deal with. Very willing to talk to you over the phone with any problems you may have. Jim K4JAF

----- Original Message -----
From: Peter Bucy
To: acom-list@yahoogroups.com
Sent: Tuesday, July 12, 2011 3:48 AM
Subject: Re: [acom-list] ACOM Certified Service

For those of you not familiar with Array Solutions, I can assure you
that these guys are as good as it gets. The reason that I purchased the
Acom 1010 was that it was sold and serviced by Array Solutions. Their
reputation is excellent.

Pete

KD4CQZ

On 7/10/2011 11:27 AM, Jay Terleski wrote:
> Array Solutions is a repair center and dealer for ACOM amplifiers
> (Bulgaria).
>
> So if you need warranty work we can help you out as well.
>
> You don't need to buy the amp from us to have it serviced later.
>
> I hope that clarifies things a bit.
>
> Regards to the group.
>

--
Pete

KD4CQZ

[Non-text portions of this message have been removed]

4266. ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-17 11:50:15 UTC
From: James Thresher
Topic: 4266 Message: 4266

ACOM Director 0.5.0 (beta) is now available for download

http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software

This version now has the ability to remotely control the software over a network or internet connection. Please note that this is very experimental functionality and will likely have some issues.

As these capabilities use the network/internet it will be affected by firewalls. I would be particularly interested in feedback from people who try this feature out. Performance & stability reports would be very much welcomed.

0.5.0 Release Notes

FIX: Object reference not set to an instance of an object. could sometimes be generated when closing the control panel

NEW: Completely New Installation Routines

NEW: Added the ability for the software to operate remotely over a network or the internet

NEW: Restructured ACOM Message processor for easier maintenance

NEW: Software now released under the BSD 3-Clause License

73 James M0YOM

[Non-text portions of this message have been removed]

4267. Re: [acom-list] ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-17 11:59:16 UTC
From: Fulvio Galli
Topic: 4266 Message: 4267

Hi James,

thank you for your great ham project !
Just the first feedback ;-)

still trying to install the new 0.5.0 (beta) but the program would not allow me to install it
under a network drive (in my case H:/Hamradio/AcomDirector)
It tells me that it should be installed only to a local hard drive.

I have the previous version installed and running flawlessly.

Info:
Mac Pro
Parallels 6
Windows 7 64bit

Best 73 de HB9DHG Fulvio

On Jul 17, 2011, at 1:50 PM, James Thresher wrote:

> ACOM Director 0.5.0 (beta) is now available for download
>
> http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software
>
> This version now has the ability to remotely control the software over a
> network or internet connection. Please note that this is very experimental
> functionality and will likely have some issues.
>
> As these capabilities use the network/internet it will be affected by
> firewalls. I would be particularly interested in feedback from people who
> try this feature out. Performance & stability reports would be very much
> welcomed.
>
> 0.5.0 Release Notes
>
> -------------------------
>
> FIX: Object reference not set to an instance of an object. could sometimes
> be generated when closing the control panel
>
> NEW: Completely New Installation Routines
>
> NEW: Added the ability for the software to operate remotely over a network
> or the internet
>
> NEW: Restructured ACOM Message processor for easier maintenance

>
> NEW: Software now released under the BSD 3-Clause License
>
> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>

4268. RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-17 12:05:11 UTC
From: James Thresher
Topic: 4266 Message: 4268

Hi Fulvio,

Thanks for the feedback, I've changed the installation routines in this version so it's probably related to that. I'll look into the problem

73 James M0YOM

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Fulvio Galli
Sent: 17 July 2011 12:59
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Director 0.5.0 Beta Now Available

Hi James,

thank you for your great ham project !
Just the first feedback ;-)

still trying to install the new 0.5.0 (beta) but the program would not allow me to install it under a network drive (in my case H:/Hamradio/AcomDirector)
It tells me that it should be installed only to a local hard drive.

I have the previous version installed and running flawlessly.

Info:
Mac Pro
Parallels 6
Windows 7 64bit

Best 73 de HB9DHG Fulvio

On Jul 17, 2011, at 1:50 PM, James Thresher wrote:

> ACOM Director 0.5.0 (beta) is now available for download
>
> http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-softw
> are
>
> This version now has the ability to remotely control the software over
> a network or internet connection. Please note that this is very
> experimental functionality and will likely have some issues.
>
> As these capabilities use the network/internet it will be affected by
> firewalls. I would be particularly interested in feedback from people
> who try this feature out. Performance & stability reports would be
> very much welcomed.
>

> 0.5.0 Release Notes
>
> -------------------------
>
> FIX: Object reference not set to an instance of an object. could
> sometimes be generated when closing the control panel
>
> NEW: Completely New Installation Routines
>
> NEW: Added the ability for the software to operate remotely over a
> network or the internet
>
> NEW: Restructured ACOM Message processor for easier maintenance
>
> NEW: Software now released under the BSD 3-Clause License
>
> 73 James M0YOM
>
> [Non-text portions of this message have been removed]
>
>

Yahoo! Groups Links

4269. Re: [acom-list] ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-17 12:13:02 UTC
From: Fulvio Galli
Topic: 4266 Message: 4269

Hello James,

thanks for looking into this issue.
Much appreciated. As said, i'm running the previous version
successfully ;-)

Keep up your good work.

Best, 73 de HB9DHG Fulvio

On Jul 17, 2011, at 2:05 PM, James Thresher wrote:

> Hi Fulvio,
>
> Thanks for the feedback, I've changed the installation routines in this
> version so it's probably related to that. I'll look into the problem
>
> 73 James M0YOM
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Fulvio Galli
> Sent: 17 July 2011 12:59
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM Director 0.5.0 Beta Now Available
>
> Hi James,
>
> thank you for your great ham project !
> Just the first feedback ;-)
>
> still trying to install the new 0.5.0 (beta) but the program would not allow
> me to install it under a network drive (in my case H:/Hamradio/AcomDirector)
> It tells me that it should be installed only to a local hard drive.
>
> I have the previous version installed and running flawlessly.
>
> Info:
> Mac Pro
> Parallels 6
> Windows 7 64bit
>
> Best 73 de HB9DHG Fulvio
>
> On Jul 17, 2011, at 1:50 PM, James Thresher wrote:
>

> > ACOM Director 0.5.0 (beta) is now available for download
> >
> > http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-softw
> > are
> >
> > This version now has the ability to remotely control the software over
> > a network or internet connection. Please note that this is very
> > experimental functionality and will likely have some issues.
> >
> > As these capabilities use the network/internet it will be affected by
> > firewalls. I would be particularly interested in feedback from people
> > who try this feature out. Performance & stability reports would be
> > very much welcomed.
> >
> > 0.5.0 Release Notes
> >
> > -------------------------
> >
> > FIX: Object reference not set to an instance of an object. could
> > sometimes be generated when closing the control panel
> >
> > NEW: Completely New Installation Routines
> >
> > NEW: Added the ability for the software to operate remotely over a
> > network or the internet
> >
> > NEW: Restructured ACOM Message processor for easier maintenance
> >
> > NEW: Software now released under the BSD 3-Clause License
> >
> > 73 James M0YOM
> >
> > [Non-text portions of this message have been removed]
> >
> >
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>

4270. Director 0.5.0 Beta

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-18 22:03:24 UTC
From: W1JCW
Topic: 4266 Message: 4270

Thanks James again for the quick turn around on your versions.

I used the previous one and had no issues, its pretty slick and has a nice display.

I run this in the back ground to keep an eye on things even though I don't think I could ever hurt my 2k.
Its a brick and more solid than an alpha.

Keep up the great work and thanks again for a great product.

73-
W1JCW
John

[Non-text portions of this message have been removed]

4271. RE: [acom-list] Director 0.5.0 Beta

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-19 07:28:31 UTC
From: James Thresher
Topic: 4266 Message: 4271

Hi John,

The 2000 is extremely well protected, it would take lot to cause one a problem I think.

I am glad the software is working well for you. I am aiming to have all the features I have planned implemented before the winter. So more releases will be coming very soon.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W1JCW
Sent: 18 July 2011 23:03
To: acom-list@yahoogroups.com
Subject: [acom-list] Director 0.5.0 Beta

Thanks James again for the quick turn around on your versions.

I used the previous one and had no issues, its pretty slick and has a nice display.

I run this in the back ground to keep an eye on things even though I don't think I could ever hurt my 2k.
Its a brick and more solid than an alpha.

Keep up the great work and thanks again for a great product.

73-
W1JCW
John

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4272. RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-23 20:17:41 UTC
From: Ron Castro
Topic: 4266 Message: 4272

I just loaded up the new remote version 0.5.0 and it works great! There was one startup problem, probably due to the settings on the client side not having been set right, but once done and the program restarted on both ends, it connected right away and is currently working fine over the LAN.

Many thanks for a great job James!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of James Thresher
Sent: Sunday, July 17, 2011 4:50 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM Director 0.5.0 Beta Now Available

ACOM Director 0.5.0 (beta) is now available for download

http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software

This version now has the ability to remotely control the software over a network or internet connection. Please note that this is very experimental functionality and will likely have some issues.

As these capabilities use the network/internet it will be affected by firewalls. I would be particularly interested in feedback from people who try this feature out. Performance & stability reports would be very much welcomed.

0.5.0 Release Notes

FIX: Object reference not set to an instance of an object. could sometimes be generated when closing the control panel

NEW: Completely New Installation Routines

NEW: Added the ability for the software to operate remotely over a network or the internet

NEW: Restructured ACOM Message processor for easier maintenance

NEW: Software now released under the BSD 3-Clause License

73 James M0YOM

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4273. RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-25 11:13:32 UTC
From: James Thresher
Topic: 4266 Message: 4273

Hi Ron,

Thanks for the feedback, the remote system is still quite experimental, so I'm glad it's working for you.

I will investigate the couple of problems you have had and try to get these ironed out for the next release.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: 23 July 2011 21:18
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

I just loaded up the new remote version 0.5.0 and it works great! There was one startup problem, probably due to the settings on the client side not having been set right, but once done and the program restarted on both ends, it connected right away and is currently working fine over the LAN.

Many thanks for a great job James!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf Of James Thresher
Sent: Sunday, July 17, 2011 4:50 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM Director 0.5.0 Beta Now Available

ACOM Director 0.5.0 (beta) is now available for download

http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software

This version now has the ability to remotely control the software over a network or internet connection. Please note that this is very experimental functionality and will likely have some issues.

As these capabilities use the network/internet it will be affected by firewalls. I would be particularly interested in feedback from people who try this feature out. Performance & stability reports would be very much welcomed.

0.5.0 Release Notes

FIX: Object reference not set to an instance of an object. could sometimes be generated when closing the control panel

NEW: Completely New Installation Routines

NEW: Added the ability for the software to operate remotely over a network or the internet

NEW: Restructured ACOM Message processor for easier maintenance

NEW: Software now released under the BSD 3-Clause License

73 James M0YOM

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4274. RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2011-07-25 15:14:49 UTC
From: Ron Castro
Topic: 4266 Message: 4274

The only real problem I'm having is in the startup sequence. Both the server and client software have to exited, the amplifier turned on, then both ends of the software restarted. I ran it over the weekend chasing the Southern Sudan DXpedition and other than the startups, it ran great!

Ron Castro
Chief Technical Officer
Results Radio, LLC
N6IE
www.N6IE.com

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of James Thresher
Sent: Monday, July 25, 2011 4:14 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

Hi Ron,

Thanks for the feedback, the remote system is still quite experimental, so I'm glad it's working for you.

I will investigate the couple of problems you have had and try to get these ironed out for the next release.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: 23 July 2011 21:18
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM Director 0.5.0 Beta Now Available

I just loaded up the new remote version 0.5.0 and it works great! There was one startup problem, probably due to the settings on the client side not having been set right, but once done and the program restarted on both ends, it connected right away and is currently working fine over the LAN.

Many thanks for a great job James!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf Of James Thresher
Sent: Sunday, July 17, 2011 4:50 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM Director 0.5.0 Beta Now Available

ACOM Director 0.5.0 (beta) is now available for download

http://www.m0yom.co.uk/index.php/acom-director-acom-2000-control-software

This version now has the ability to remotely control the software over a
network or internet connection. Please note that this is very experimental
functionality and will likely have some issues.

As these capabilities use the network/internet it will be affected by
firewalls. I would be particularly interested in feedback from people who
try this feature out. Performance & stability reports would be very much
welcomed.

0.5.0 Release Notes

FIX: Object reference not set to an instance of an object. could sometimes
be generated when closing the control panel

NEW: Completely New Installation Routines

NEW: Added the ability for the software to operate remotely over a network
or the internet

NEW: Restructured ACOM Message processor for easier maintenance

NEW: Software now released under the BSD 3-Clause License

73 James M0YOM

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4275. clean you air filter

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-01 00:53:41 UTC
From: kamarty456
Topic: 4275 Message: 4275

It's been a while, so here is your reminder to clean your air filters.

This is often overlooked and the ACOM amps prefer a clean filter and maximum air flow!

A few minutes doing this can possibly eliminate future problems

Martin KA7GKN

4276. Acom 1000 extra fan

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-04 16:15:55 UTC
From: trevor dunne
Topic: 4275 Message: 4276

Hi All

I want to install the extra fan on my 1000, I have taken an intrest in RTTY contesting and wish to improve cooling.

Can anyone give me more info on it. maybe a few pictures of it being installed would be nice. also a rough idea of cost.

thanks
Trevor
EI2GLB

[Non-text portions of this message have been removed]

4277. Re: [acom-list] Acom 1000 extra fan

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-04 17:40:27 UTC
From: Jo, YC0LOW
Topic: 4275 Message: 4277

Trevor,
Pse have a look this link
http://www.m0oxo.com/radio-projects/acom-1000-mod.html

73 de Jo, YC0LOW

On Thu, Aug 4, 2011 at 11:15 PM, trevor dunne <trevor_dunne@...>wrote:

> **
>
>
> Hi All
>
> I want to install the extra fan on my 1000, I have taken an intrest in RTTY
> contesting and wish to improve cooling.
>
> Can anyone give me more info on it. maybe a few pictures of it being
> installed would be nice. also a rough idea of cost.
>
> thanks
> Trevor
> EI2GLB
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

4278. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 03:21:25 UTC
From: n3dg
Topic: 4184 Message: 4278

Alpha 6 is a Custom-Built, Very Limited Edition 6 Meter Amplifier conservatively rated at 1500++ Watts Output Continuous 100% Duty Cycle on 50-54 MHz tunable up to 2 KW (LED Wattmeter Scale up to 2500 Watts), made by Alpha Power as a Custom Order and Very Limited Edition using a Single, Robust 4CX1600B (Svetlana GU-91B) which is very affordable and readily available. Only 10-20 Watts drive delivers 1 KW Output and that is 100% Continuous Duty Cycle (unlike solid-state amplifiers).

Alpha 6 Features:
☐ Single 4CX1600B Ceramic-Metal Tetrode providing a maximum plate dissipation of over 1.6 KW
☐ Supports the Entire 6 meter Amateur Radio Band 50 MHz ☐ 54 MHz
☐ Comfortably delivers Full Legal Limit on the 6 meter band in All modes
☐ Hypersil 3.5 KVA transformer
☐ Grid & Screen Current Limiting Protection
☐ Protection Circuit for Excessive SWR, Average Plate Current, RF Arc, Mistuning, HV Fault, HV Crowbar, Power Interlock, etc.
☐ Supports 90-130 Volts AC, 190-250 Volts AC, now wired for 220 Volts AC
☐ No Duty Cycle Limitation ☐ 100% Carrier, Key Down with included optional Cooling Fan
☐ Rugged Construction ☐ Built like a Tank
☐ Alpha Collector's Item and Serial Number 2

This Alpha 6 is in Mint Condition with the Optional Auxiliary Cooling Fan, Original Alpha 6 Owners Manual and both Alpha Cartons for Amplifier and Transformer (shipped separately) and has just been sitting on the shelf rarely used and as Collector's Item as Serial Number 2. Alpha now charges over $4600 for their Alpha 8406 which is of the same design, this Alpha 6 is a Collector's Item and Serial Number 2 and Mint at $3000 plus shipping and insurance or Cash & Carry.

4279. Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 11:51:51 UTC
From: paul glassman
Topic: 4184 Message: 4279

An interesting story posted by W3ODD on qth.com feedback.....

W3ODD

Joined: 26 Apr 2007
Posts: 6

Posted: Tue Aug 24, 2010 6:47 pm Post subject:well Dennis got another victim.....ALMOST.....

I had a BEAUTIFUL ONE OWNER panasonic RF-4900 on the board and he contacted me about it .....

he didn't give me his call sign and in fact toldme he was NOT a HAM.....

and that they needed a radio for the church.....

I dropped $65 off of the price AND ate the shipping because I was TRYING to do something nice for the church..... good karma and all that.....

he received the radio today and IMMEDIATLY filed a complaint against me with paypal demanding 1/2 of his money back...$80.....

I told him that I would happily refund 100% of his $ if he sends the radio back..but he seems not to be interested in that...

I even told him if he would like (to save him on the shipping) that I would DRIVE there (he lives about an hour away) and pick the rig up from him and give him ALL his $ back (including what I spent in shipping)

instead wants to KEEP the radio and me give him $80 dollars back

I ripped him off, he is going to prosecute me for mail fraud etc etc

i looked his shipping address up online to get directions in case I needed to drive down there and lo and behold I found out quite a bit about Dennis.....

he STILL insists that I am trying to rip him off but will NOT return the radio for a refund and has told me if I come there to pick it up he will call the police

as it stands I told paypal that I would refund ALLhis $ and he immediatly dropped his claim

so ANOTHER heads up about Dennis radiodg@... to top

[Non-text portions of this message have been removed]

4280. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 12:25:26 UTC
From: D G
Topic: 4184 Message: 4280

Hey Hoss Trader Glassman !

Interesting story indeed, but just a story, but he's lying and I reported him to law enforcement.

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Mon, 8 Aug 2011 04:51:51 -0700
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

An interesting story posted by W3ODD on qth.com feedback........

W3ODD

Joined: 26 Apr 2007
Posts: 6

Posted: Tue Aug 24, 2010 6:47 pm Post subject:well Dennis got another victim...........ALMOST.....

I had a BEAUTIFUL ONE OWNER panasonic RF-4900 on the board and he contacted me about it ....

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so ANOTHER heads up about Dennis radiodg@... to top

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4281. Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 16:31:30 UTC
From: paul glassman
Topic: 4184 Message: 4281

Another interesting story posted on qth.com feedback. Steve also indicated that he will supply anyone with an email trail.

kb2nqn

Joined: 29 Dec 2003
Posts: 3
Location: long island, ny
Posted: Sun Jan 04, 2004 4:20 am Post subject: N3DG dennis gazaki recently purchased a 742 from n3dg aka radio dg! - dennis gazak of huntingdon, pa. suppossed to be in excellent working condition but that was not exactly the case. the rig had little or no audio. i alerted dennis about this problem the day i received the rig and he responded the rig had no problem when he had it and it was mine as is. this tri bander had a bad control board. it has been repaired at an additional cost to me.

e mail history available by request...

steve-kb2nqnBack to top

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4282. Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 16:34:00 UTC
From: D G
Topic: 4184 Message: 4282

Another utter falsehood and complete lie.
There are two sides to every story.
And, this is not relevant to the ACOM User Group.

Paul, do you have anything better to do in your life than spread gossip and slander ?
I really feel sorry for you.

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Mon, 8 Aug 2011 09:31:30 -0700
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Another interesting story posted on qth.com feedback. Steve also indicated that he will supply anyone with an email trail.

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steve-kb2nqnBack to top

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[Non-text portions of this message have been removed]

4283. RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 16:44:32 UTC
From: BMarton
Topic: 4184 Message: 4283

I appreciate the information supplied by Paul as it is what we call a reference. I aids in making decisions after looking into all the available information before we spend our money. I see no harm in this at all.

If these threads are from various forums on the net, then they are in the public domain and open to anyone to read.

Bruce K1XR

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of D G
Sent: Monday, August 08, 2011 12:34 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Gossip & Slander: Paul Glassman W8JN

Another utter falsehood and complete lie.
There are two sides to every story.
And, this is not relevant to the ACOM User Group.

Paul, do you have anything better to do in your life than spread gossip and slander ?
I really feel sorry for you.

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Mon, 8 Aug 2011 09:31:30 -0700
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

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e mail history available by request...

steve-kb2nqnBack to top

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Yahoo! Groups Links

4284. Spam

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 16:54:31 UTC
From: Mike Harris
Topic: 4184 Message: 4284

The question I ask myself is why does the Acom list support the advertising of non-Acom products.

Surely an Alpha amp should be peddled on the Alpha list.

Maybe some active moderation is called for.

Regards,

Mike VP8NO

4285. More interesting stories

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 16:54:09 UTC
From: paul glassman
Topic: 4184 Message: 4285

More interesting stories. Lies slander and libel? As they say on Fox news, "We report, you decide"

kg8lb

Joined: 14 Jan 2009
Posts: 232

Posted: Sun Apr 05, 2009 11:18 pm Post subject: pennradio, AGAIN ! AKA N3DGHeed the warnings about this "dealer". Excessive shipping, very non-professional down right filthy , lazy packing methods. Abusive with the statements after the sale.

I bought an Elmac power supply from this person. It arrived with absolutely the WORST, most thoughtless packing job I have ever seen..period! The item would have been fine but arrived with substantial damage. The seller stated he would have the item PROFESSIONALLY PACKED and at $50 for a 12 pound item, the buyer had every right to expect a decent packing job. It was not at all! The power supply was wrapped in used plastic shopping bag and tossed into a box about 3 inches larger all around. There was also a USED air pillow thrown in. Of course the air pillow was punctured anf the item thrashed around bending the cabinet corners, knocking off paint and finally crushing the bakelite power connector. When pennradio was made aware of the damage from his pi$$ poor packing job he simply referred me to file a claim with the shipper. (BTW ,The ad stated the $50 was for UPS shipping and pro packing but he shipped VIA Fed-X) Of course in most cases it is the
SHIPPER who files the claim and with the packing job at fault the shipper. The carrier, Fed-X was not responsible for the damage resulting from lousy packing.. The actual shipping cost was only about $12 allowing the seller to pocket $38 on an item that sold for $40 at auction!
The seller refused to make the situation right until a Paypal judgement went against him. I CAREFULLY repacked and returned the item to him. Almost as soon as he received the item he re-listed. He used the original ebay listing description , photos and all. He never mentioned in the listing the damage.

In the meantime of course I did a bit of homework. Seems I am not alone here. This guy has earned quite a reputation. My little deal pales with some of the other reports on this operator. Selling Icom freebies ? Ridiculous shipping fees. Questionable goods , WOW. I actually received Ebay statement at a SPAM level. Nearly 20 in the first day after the auction end! Seems he has done that crap to others as well.

Check out some of the other amateur radio selling venues. You can easily search under his call sign as well as pennradio.

Better know hwo you are dealing with. I surely will not deal with pennradio .

Last edited by kg8lb on Thu Aug 27, 2009 6:48 pm; edited 1 time in totalBack to top KB2VYZ

Joined: 29 Nov 2004
Posts: 89

Location: Somers Point, NJ
Posted: Mon Apr 06, 2009 5:00 am Post subject: pennradio, AGAIN ! AKA N3DGBe warned, Dennis, N3DG, also uses $uper-$ales when things got hot and heavy with his Pennradio on ebay. Seeing that his feedback is already only 97% with his $uper-$ales ebay ID, it would not surprise me if he were to create another one.

73 de Frank/KB2VYZ

_____
They're coming to take me away, ha-haaa!! They're coming to take me away, ho-ho, hee-hee, ha-haaa!!! To the funny farm. Where life is beautiful all the time...Back to top .Back to top kg8lb

Joined: 14 Jan 2009
Posts: 232

Posted: Thu Aug 27, 2009 6:46 pm Post subject: Update, the stuff keeps on coming!In the case of the damaged power supply from above:

Paypal rendered a decision against Pennradio. I boxed the damaged power supply for return shipment very well and took photos of the packaging. Paypal assured me that once the seller received the returned PS I would be issued payment. I tracked the shipping and on the very day the item was received by him it was immediately re-listed. Not with new photos showing the damage, not with any mention of the damage. He simply used the same listing from the origianal sale , unchanged in the photos or description. Lucky Dave, the item sold for more the second time around. I felt some pity for the poor "winner" and pretty much shrugged it off.
Some time later I see the same power supply offered for sale from a ham not too far from my QTH. He of course disclosed the shortcomings and was under the impression that the damge was incurred en-route to him. I sent him a PM to make sure this was indeed the same power supply , It turned out as suspected, to be one and the same! He said that the seller offered to send him a A-54 Elmac transmitter pretty much when/if he could find it in exchange for positive feedback. The somewhat too trusting buyer complied . Of course the A-54 never materialized !
We discussed the damage in question and determined indeed it was the same damage that occured during the original shipment. Buyer number 2 at that point filed a claim with Paypal. They were wonderful and issued a FULL refund including the large number that Pennradio charged for shipping.

I got my money back and thanks to a little communication between hams buyer two got his money back.

[Non-text portions of this message have been removed]

4286. Re: [acom-list] Spam

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 16:59:58 UTC
From: Jim Idelson
Topic: 4184 Message: 4286

I was about to make the exact same suggestion. Moderator, please moderate.

On 8/8/2011 12:54 PM, Mike Harris wrote:
> The question I ask myself is why does the Acom list support the
> advertising of non-Acom products.
>
> Surely an Alpha amp should be peddled on the Alpha list.
>
> Maybe some active moderation is called for.
>
> Regards,
>
> Mike VP8NO
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> Yahoo! Groups Links
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73,

Jim K1IR

4287. Re: [acom-list] Spam

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 17:09:10 UTC
From: paul glassman
Topic: 4184 Message: 4287

Gentlemen, I may be incorrect on this one, however I believe Dennis was dismissed from the Alpha list. Now if I am incorrect, I humbly apologize in advance.
Paul (The Hoss Trader) W8JN

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Mon, 8/8/11, Jim Idelson <k1ir@...> wrote:

From: Jim Idelson <k1ir@...>
Subject: Re: [acom-list] Spam
To: acom-list@yahoogroups.com
Date: Monday, August 8, 2011, 12:59 PM

I was about to make the exact same suggestion. Moderator, please moderate.

On 8/8/2011 12:54 PM, Mike Harris wrote:

> The question I ask myself is why does the Acom list support the

> advertising of non-Acom products.

>

> Surely an Alpha amp should be peddled on the Alpha list.

>

> Maybe some active moderation is called for.

>

> Regards,

>

> Mike VP8NO

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> Yahoo! Groups Links

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73,

Jim K1IR

[Non-text portions of this message have been removed]

4288. Spam

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 17:23:28 UTC
From: D G
Topic: 4184 Message: 4288

Moderation is certainly called for given Paul Glassman's Spam, gossip, slander, inappropriate, inaccurate, one-sded personal attacks, which have nothing to do with ACOM Amplifiers.

Yes indeed, he should be terminated on that basis.

Dennis
N3DG
eQSL Board Member

To: acom-list@...m
From: highschooldiving@...
Date: Mon, 8 Aug 2011 10:09:10 -0700
Subject: Re: [acom-list] Spam

Gentlemen, I may be incorrect on this one, however I believe Dennis was dismissed from the Alpha list. Now if I am incorrect, I humbly apologize in advance. Paul (The Hoss Trader) W8JN

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Mon, 8/8/11, Jim Idelson <k1ir@...> wrote:

From: Jim Idelson <k1ir@...>
Subject: Re: [acom-list] Spam
To: acom-list@yahoogroups.com
Date: Monday, August 8, 2011, 12:59 PM

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> Regards,

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> Mike VP8NO

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> Yahoo! Groups Links

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73,

Jim K1IR

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[Non-text portions of this message have been removed]

4289. Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 17:25:06 UTC
From: D G
Topic: 4184 Message: 4289

Brucie, they are inaccurate, incomplete, one-sided and slanderous personal attacks that are without basis and have nothing to do with ACOM amplifiers.

To: acom-list@yahoogroups.com
From: bmarton@...
Date: Mon, 8 Aug 2011 12:44:32 -0400
Subject: RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

I appreciate the information supplied by Paul as it is what we call a reference. I aids in making decisions after looking into all the available information before we spend our money. I see no harm in this at all.

If these threads are from various forums on the net, then they are in the public domain and open to anyone to read.

Bruce K1XR

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of D G
Sent: Monday, August 08, 2011 12:34 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Gossip & Slander: Paul Glassman W8JN

Another utter falsehood and complete lie.
There are two sides to every story.
And, this is not relevant to the ACOM User Group.

Paul, do you have anything better to do in your life than spread gossip and slander ?
I really feel sorry for you.

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Mon, 8 Aug 2011 09:31:30 -0700
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Another interesting story posted on qth.com feedback. Steve also indicated that he will supply anyone with an email trail.

kb2nqn

Joined: 29 Dec 2003
Posts: 3
Location: long island, ny
Posted: Sun Jan 04, 2004 4:20 am Post subject: N3DG dennis gazaki recently purchased a 742 from n3dg aka radio dg! - dennis gazak of

huntingdon, pa. suppossed to be in excellent working condition but that was not exactly the case. the rig had little or no audio. i alerted dennis about this problem the day i received the rig and he responded the rig had no problem when he had it and it was mine as is. this tri bander had a bad control board. it has been repaired at an additional cost to me.

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steve-kb2nqnBack to top

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4290. Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 17:54:35 UTC
From: Peter Bucy
Topic: 4184 Message: 4290

Let me make a suggestion. Hire an attorney and sue this jerk for defamation. Drag him into court and all all of the folks that he has ripped off as witnesses. Then see if your local DA will look into his activities. Report him to ebay and see if they will ban him. In general, make his life a living hell in the courts.

Pete

KD4CQZ

On 8/8/2011 7:51 AM, paul glassman wrote:
> An interesting story posted by W3ODD on qth.com feedback........
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> W3ODD
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> Joined: 26 Apr 2007
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> Posted: Tue Aug 24, 2010 6:47 pm Post subject:well Dennis got another victim...........ALMOST.....
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> he didn't give me his call sign and in fact toldme he was NOT a HAM......
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> and that they needed a radio for the church.......
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> I dropped $65 off of the price AND ate the shipping because I was TRYING to do something nice for the church......... good karma and all that........
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> he received the radio today and IMMEDIATLY filed a complaint against me with paypal demanding 1/2 of his money back...$80.....
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> I told him that I would happily refund 100% of his $ if he sends the radio back..but he seems not to be interested in that...
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> I even told him if he would like (to save him on the shipping) that I would DRIVE there (he lives about an hour away) and pick the rig up from him and give him ALL his $ back (including what I spent in shipping)
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4291. Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:08:16 UTC
From: paul glassman
Topic: 4184 Message: 4291

Pete, Dennis usually shows up when he has trouble on ebay.
Paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Mon, 8/8/11, Peter Bucy <petebucy@...> wrote:

From: Peter Bucy <petebucy@...>
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER
To: acom-list@yahoogroups.com
Date: Monday, August 8, 2011, 1:54 PM

Let me make a suggestion. Hire an attorney and sue this jerk for

defamation. Drag him into court and all all of the folks that he has

ripped off as witnesses. Then see if your local DA will look into his

activities. Report him to ebay and see if they will ban him. In general,

make his life a living hell in the courts.

Pete

KD4CQZ

On 8/8/2011 7:51 AM, paul glassman wrote:

> An interesting story posted by W3ODD on qth.com feedback........

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>

> W3ODD

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> Joined: 26 Apr 2007

> Posts: 6

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> so ANOTHER heads up about Dennis radiodg@... to top

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[Non-text portions of this message have been removed]

4292. Re: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:15:02 UTC
From: Peter Bucy
Topic: 4184 Message: 4292

Dennis, I don't know you from mud. Either your are engaging in the scams described, or you are the victim of a conspiracy that spans a lot of people who don't appear to even each other. I have seen internet scam artists defend their 'honor' with great vigor. Because of the faceless interface of the internet, they take advantage of people and can claim to be victims of their greedy and heartless customers.

Maybe you would care to explain to all of us how you have had such very bad reviews on the internet? Really, why would all of these folks feel the need to attack you? It has been alleged that you lie a lot. It has been alleged in this form that you misrepresented yourself as wanting to buy a piece of equipment for a church, when that was not true. That is called fraud in the inducement.

Internet scam artists usually have a lot of tax issues too. They don't pay local and state sales taxes, use taxes, or federal income taxes as a general rule. It's not uncommon for an audit to find serious faults. Jail time is often a consequence along with strict financial penalties.

You don't worry about that sort of thing, do you? After all, you are just an honest internet merchant who is being persecuted by a pack of rabid ham radio fanatics - right?

Someone said that you don't accept Paypal or credit cards; is that right? Those two things are very common indicators of internet scams. People who don't take Paypal or credit card don't do so because both provide their customers with a viable avenue of redress, or their past activities have disqualified them from using these payment methods.

I have to admit, Dennis, that it is not looking good for you. There are an awful lot of indicators that would steer a prudent internet customer from dealing with you. I know that I would not buy from you or sell to you.

Pete

KD4CQZ

On 8/8/2011 1:25 PM, D G wrote:
> Brucie, they are inaccurate, incomplete, one-sided and slanderous personal attacks that are without basis and have nothing to do with ACOM amplifiers.
>
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> To: acom-list@yahoogroups.com
> From: bmarton@...
> Date: Mon, 8 Aug 2011 12:44:32 -0400

> Subject: RE: [acom-list] Gossip& Slander: Paul Glassman W8JN
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> I appreciate the information supplied by Paul as it is what we call a
> reference. I aids in making decisions after looking into all the available
> information before we spend our money. I see no harm in this at all.
>
> If these threads are from various forums on the net, then they are in the
> public domain and open to anyone to read.
>
> Bruce K1XR
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of D G
> Sent: Monday, August 08, 2011 12:34 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Gossip& Slander: Paul Glassman W8JN
>
> Another utter falsehood and complete lie.
> There are two sides to every story.
> And, this is not relevant to the ACOM User Group.
>
> Paul, do you have anything better to do in your life than spread gossip and
> slander ?
> I really feel sorry for you.
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> To: acom-list@yahoogroups.com
> From: highschooldiving@...
> Date: Mon, 8 Aug 2011 09:31:30 -0700
> Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM
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4293. RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:32:35 UTC
From: BMarton
Topic: 4184 Message: 4293

Well Said Pete!

As I mentioned earlier, all of this information is posted in the public domain and is available for anyone to read and review prior to making a decision as whether or not they send off funds for an item being offered. I see no harm in reading reprints of the reviews. It is no different than going to the local Better Business Bureau website to read reviews posted of a local merchant.

For voicing this opinion, I am replied to as "Brucie" by this guy, who I have never spoken to in my life. That in itself is indicative to me of who I would be dealing with in the event I wanted to make a purchase. He has an attitude and I don't particularly like to deal with people who have attitude; it usually leads to problems from what I have found in the past.

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Peter Bucy
Sent: Monday, August 08, 2011 2:15 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Gossip & Slander: Paul Glassman W8JN

Dennis, I don't know you from mud. Either your are engaging in the scams described, or you are the victim of a conspiracy that spans a lot of people who don't appear to even each other. I have seen internet scam artists defend their 'honor' with great vigor. Because of the faceless interface of the internet, they take advantage of people and can claim to be victims of their greedy and heartless customers.

Maybe you would care to explain to all of us how you have had such very bad reviews on the internet? Really, why would all of these folks feel the need to attack you? It has been alleged that you lie a lot. It has been alleged in this form that you misrepresented yourself as wanting to buy a piece of equipment for a church, when that was not true. That is called fraud in the inducement.

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People who don't take Paypal or credit card don't do so because both
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4294. RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:42:52 UTC
From: W5OV@w5ov.com
Topic: 4184 Message: 4294

While I don't have an axe to grind either way here, why is this being discussed on the Acom reflector at all?

Who is the moderator of this list anyway? I've been on the list virtually since it began that I'm aware of and I'm not sure who the moderator is.

de W5OV

> Well Said Pete!
>
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> domain and is available for anyone to read and review prior to making a
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> Behalf
> Of Peter Bucy
> Sent: Monday, August 08, 2011 2:15 PM
> To: acom-list@yahoogroups.com

> Subject: Re: [acom-list] Gossip & Slander: Paul Glassman W8JN
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> artists defend their 'honor' with great vigor. Because of the faceless
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> been alleged in this form that you misrepresented yourself as wanting to
> buy a piece of equipment for a church, when that was not true. That is
> called fraud in the inducement.
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> pay local and state sales taxes, use taxes, or federal income taxes as a
> general rule. It's not uncommon for an audit to find serious faults.
> Jail time is often a consequence along with strict financial penalties.
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> You don't worry about that sort of thing, do you? After all, you are
> just an honest internet merchant who is being persecuted by a pack of
> rabid ham radio fanatics - right?
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> Someone said that you don't accept Paypal or credit cards; is that
> right? Those two things are very common indicators of internet scams.
> People who don't take Paypal or credit card don't do so because both
> provide their customers with a viable avenue of redress, or their past
> activities have disqualified them from using these payment methods.
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> from dealing with you. I know that I would not buy from you or sell to
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4295. RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:50:41 UTC
From: BMarton
Topic: 4184 Message: 4295

I believe what started this thread was a guy offering up an amplifier for sale, which was not an Acom product.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: Monday, August 08, 2011 2:43 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

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4296. Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:52:20 UTC
From: D G
Topic: 4184 Message: 4296

Yes, Trash Talk, Gossip & Slander...belongs in the tabloids, not the ACOM User Group !!!

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Mon, 8 Aug 2011 14:42:52 -0400
Subject: RE: [acom-list] Gossip & Slander: Paul Glassman W8JN

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> As I mentioned earlier, all of this information is posted in the public
> domain and is available for anyone to read and review prior to making a
> decision as whether or not they send off funds for an item being offered.
> I see no harm in reading reprints of the reviews. It is no different than
> going to the local Better Business Bureau website to read reviews posted
> of
> a local merchant.
>
>
>
> For voicing this opinion, I am replied to as "Brucie" by this guy, who I
> have never spoken to in my life. That in itself is indicative to me of
> who
> I would be dealing with in the event I wanted to make a purchase. He has
> an attitude and I don't particularly like to deal with people who have
> attitude; it usually leads to problems from what I have found in the past.
>
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>
> Bruce K1XR
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> _____
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Peter Bucy
> Sent: Monday, August 08, 2011 2:15 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Gossip & Slander: Paul Glassman W8JN
>
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>
> Dennis, I don't know you from mud. Either your are engaging in the scams
> described, or you are the victim of a conspiracy that spans a lot of
> people who don't appear to even each other. I have seen internet scam
> artists defend their 'honor' with great vigor. Because of the faceless
> interface of the internet, they take advantage of people and can claim
> to be victims of their greedy and heartless customers.
>
> Maybe you would care to explain to all of us how you have had such very
> bad reviews on the internet? Really, why would all of these folks feel
> the need to attack you? It has been alleged that you lie a lot. It has
> been alleged in this form that you misrepresented yourself as wanting to
> buy a piece of equipment for a church, when that was not true. That is
> called fraud in the inducement.
>
> Internet scam artists usually have a lot of tax issues too. They don't
> pay local and state sales taxes, use taxes, or federal income taxes as a
> general rule. It's not uncommon for an audit to find serious faults.
> Jail time is often a consequence along with strict financial penalties.
>
> You don't worry about that sort of thing, do you? After all, you are
> just an honest internet merchant who is being persecuted by a pack of
> rabid ham radio fanatics - right?
>
> Someone said that you don't accept Paypal or credit cards; is that
> right? Those two things are very common indicators of internet scams.
> People who don't take Paypal or credit card don't do so because both
> provide their customers with a viable avenue of redress, or their past
> activities have disqualified them from using these payment methods.
>
> I have to admit, Dennis, that it is not looking good for you. There are
> an awful lot of indicators that would steer a prudent internet customer
> from dealing with you. I know that I would not buy from you or sell to
> you.
>
> Pete
>
> KD4CQZ

>
> On 8/8/2011 1:25 PM, D G wrote:
>> Brucie, they are inaccurate, incomplete, one-sided and slanderous
>> personal
> attacks that are without basis and have nothing to do with ACOM
> amplifiers.
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>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> From: bmarton@maine.rr.com <mailto:bmarton%40maine.rr.com>
>> Date: Mon, 8 Aug 2011 12:44:32 -0400
>> Subject: RE: [acom-list] Gossip& Slander: Paul Glassman W8JN
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>> I appreciate the information supplied by Paul as it is what we call a
>> reference. I aids in making decisions after looking into all the
>> available
>> information before we spend our money. I see no harm in this at all.
>>
>> If these threads are from various forums on the net, then they are in
>> the
>> public domain and open to anyone to read.
>>
>> Bruce K1XR
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On
> Behalf
>> Of D G
>> Sent: Monday, August 08, 2011 12:34 PM
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> Subject: [acom-list] Gossip& Slander: Paul Glassman W8JN
>>
>> Another utter falsehood and complete lie.
>> There are two sides to every story.
>> And, this is not relevant to the ACOM User Group.
>>
>> Paul, do you have anything better to do in your life than spread gossip
> and
>> slander ?
>> I really feel sorry for you.
>>

>>
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> From: highschooldiving@... <mailto:highschooldiving%40yahoo.com>
>> Date: Mon, 8 Aug 2011 09:31:30 -0700
>> Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM
>> RADIO AMPLIFIER
>>
>> Another interesting story posted on qth.com feedback. Steve also
>> indicated
>> that he will supply anyone with an email trail.
>>
>> kb2nqn
>>
>> Joined: 29 Dec 2003
>> Posts: 3
>> Location: long island, ny
>> Posted: Sun Jan 04, 2004 4:20 am Post subject: N3DG dennis gazaki
>> recently purchased a 742 from n3dg aka radio dg! - dennis gazak of
>> huntingdon, pa. suppossed to be in excellent working condition but that
> was
>> not exactly the case. the rig had little or no audio. i alerted dennis
> about
>> this problem the day i received the rig and he responded the rig had no
>> problem when he had it and it was mine as is. this tri bander had a bad
>> control board. it has been repaired at an additional cost to me.
>>
>> e mail history available by request...
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>> steve-kb2nqnBack to top
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4297. Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:53:43 UTC
From: D G
Topic: 4184 Message: 4297

I won't waste my time, my business, is my business and that means, none of yours.

To: acom-list@yahoogroups.com
From: petebucy@...
Date: Mon, 8 Aug 2011 14:15:02 -0400
Subject: Re: [acom-list] Gossip & Slander: Paul Glassman W8JN

Dennis, I don't know you from mud. Either your are engaging in the scams described, or you are the victim of a conspiracy that spans a lot of people who don't appear to even each other. I have seen internet scam artists defend their 'honor' with great vigor. Because of the faceless interface of the internet, they take advantage of people and can claim to be victims of their greedy and heartless customers.

Maybe you would care to explain to all of us how you have had such very bad reviews on the internet? Really, why would all of these folks feel the need to attack you? It has been alleged that you lie a lot. It has been alleged in this form that you misrepresented yourself as wanting to buy a piece of equipment for a church, when that was not true. That is called fraud in the inducement.

Internet scam artists usually have a lot of tax issues too. They don't pay local and state sales taxes, use taxes, or federal income taxes as a general rule. It's not uncommon for an audit to find serious faults. Jail time is often a consequence along with strict financial penalties.

You don't worry about that sort of thing, do you? After all, you are just an honest internet merchant who is being persecuted by a pack of rabid ham radio fanatics - right?

Someone said that you don't accept Paypal or credit cards; is that right? Those two things are very common indicators of internet scams. People who don't take Paypal or credit card don't do so because both provide their customers with a viable avenue of redress, or their past activities have disqualified them from using these payment methods.

I have to admit, Dennis, that it is not looking good for you. There are an awful lot of indicators that would steer a prudent internet customer from dealing with you. I know that I would not buy from you or sell to you.

Pete

KD4CQZ

On 8/8/2011 1:25 PM, D G wrote:
> Brucie, they are inaccurate, incomplete, one-sided and slanderous personal attacks that are without basis and have nothing to do with ACOM amplifiers.

>
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>
> To: acom-list@yahoogroups.com
> From: bmarton@...
> Date: Mon, 8 Aug 2011 12:44:32 -0400
> Subject: RE: [acom-list] Gossip& Slander: Paul Glassman W8JN
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>
> I appreciate the information supplied by Paul as it is what we call a
> reference. I aids in making decisions after looking into all the available
> information before we spend our money. I see no harm in this at all.
>
> If these threads are from various forums on the net, then they are in the
> public domain and open to anyone to read.
>
> Bruce K1XR
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of D G
> Sent: Monday, August 08, 2011 12:34 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Gossip& Slander: Paul Glassman W8JN
>
> Another utter falsehood and complete lie.
> There are two sides to every story.
> And, this is not relevant to the ACOM User Group.
>
> Paul, do you have anything better to do in your life than spread gossip and
> slander ?
> I really feel sorry for you.
>
>
> To: acom-list@yahoogroups.com
> From: highschooldiving@...
> Date: Mon, 8 Aug 2011 09:31:30 -0700
> Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM
> RADIO AMPLIFIER
>
> Another interesting story posted on qth.com feedback. Steve also indicated
> that he will supply anyone with an email trail.
>
> kb2nqn
>

> Joined: 29 Dec 2003
> Posts: 3
> Location: long island, ny
> Posted: Sun Jan 04, 2004 4:20 am Post subject: N3DG dennis gazaki
> recently purchased a 742 from n3dg aka radio dg! - dennis gazak of
> huntingdon, pa. suppossed to be in excellent working condition but that was
> not exactly the case. the rig had little or no audio. i alerted dennis about
> this problem the day i received the rig and he responded the rig had no
> problem when he had it and it was mine as is. this tri bander had a bad
> control board. it has been repaired at an additional cost to me.
>
> e mail history available by request...
>
> steve-kb2nqnBack to top
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4298. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:56:47 UTC
From: D G
Topic: 4184 Message: 4298

Paul is the self-proclaimed "Hoss Trader", just look at his QRZ page.

To: acom-list@yahoogroups.com
From: highschooldiving@...
Date: Mon, 8 Aug 2011 11:08:16 -0700
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Pete, Dennis usually shows up when he has trouble on ebay. Paul w8jn

Quantum materiae materietur marmota monax

si marmota monax materiam possit materiari?

--- On Mon, 8/8/11, Peter Bucy <petebucy@...> wrote:

From: Peter Bucy <petebucy@...>
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER
To: acom-list@yahoogroups.com
Date: Monday, August 8, 2011, 1:54 PM

Let me make a suggestion. Hire an attorney and sue this jerk for

defamation. Drag him into court and all all of the folks that he has

ripped off as witnesses. Then see if your local DA will look into his

activities. Report him to ebay and see if they will ban him. In general,

make his life a living hell in the courts.

Pete

KD4CQZ

On 8/8/2011 7:51 AM, paul glassman wrote:

> An interesting story posted by W3ODD on qth.com feedback........

>

>

> W3ODD

>

>

>

> Joined: 26 Apr 2007

> Posts: 6

>

> Posted: Tue Aug 24, 2010 6:47 pm Post subject:well Dennis got another victim.....ALMOST.....

>

> I had a BEAUTIFUL ONE OWNER panasonic RF-4900 on the board and he contacted me about it ....

>

> he didn't give me his call sign and in fact toldme he was NOT a HAM......

>

> and that they needed a radio for the church.......

>

> I dropped $65 off of the price AND ate the shipping because I was TRYING to do something nice for the church..... good karma and all that........

>

> he received the radio today and IMMEDIATLY filed a complaint against me with paypal demanding 1/2 of his money back...$80.....

>

> I told him that I would happily refund 100% of his $ if he sends the radio back..but he seems not to be interested in that...

>

> I even told him if he would like (to save him on the shipping) that I would DRIVE there (he lives about an hour away) and pick the rig up from him and give him ALL his $ back (including what I spent in shipping)

>

> instead wants to KEEP the radio and me give him $80 dollars back

>

> I ripped him off, he is going to prosecute me for mail fraud etc etc

>

> i looked his shipping address up online to get directions in case I needed to drive down there and lo and behold I found out quite a bit about Dennis........

>

> he STILL insists that I am trying to rip him off but will NOT return the radio for a refund and has told me if I come there to pick it up he will call the police

>

> as it stands I told paypal that I would refund ALLhis $ and he immediatly dropped his claim

>

> so ANOTHER heads up about Dennis radiodg@... to top

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4299. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:55:39 UTC
From: D G
Topic: 4184 Message: 4299

Indeed, he has been reported to the police.

Dennis
N3DG

To: acom-list@yahoogroups.com
From: petebucy@...
Date: Mon, 8 Aug 2011 13:54:35 -0400
Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Let me make a suggestion. Hire an attorney and sue this jerk for
defamation. Drag him into court and all all of the folks that he has
ripped off as witnesses. Then see if your local DA will look into his
activities. Report him to ebay and see if they will ban him. In general,
make his life a living hell in the courts.

Pete

KD4CQZ

On 8/8/2011 7:51 AM, paul glassman wrote:
> An interesting story posted by W3ODD on qth.com feedback........
>
>
> W3ODD
>
>
>
> Joined: 26 Apr 2007
> Posts: 6
>
> Posted: Tue Aug 24, 2010 6:47 pm Post subject:well Dennis got another
victim...........ALMOST.....
>
> I had a BEAUTIFUL ONE OWNER panasonic RF-4900 on the board and he contacted me about it
....
>
> he didn't give me his call sign and in fact toldme he was NOT a HAM......
>
> and that they needed a radio for the church.......
>
> I dropped $65 off of the price AND ate the shipping because I was TRYING to do something
nice for the church......... good karma and all that........
>
> he received the radio today and IMMEDIATLY filed a complaint against me with paypal

demanding 1/2 of his money back...$80.....
>
> I told him that I would happily refund 100% of his $ if he sends the radio back..but he seems not to be interested in that...
>
> I even told him if he would like (to save him on the shipping) that I would DRIVE there (he lives about an hour away) and pick the rig up from him and give him ALL his $ back (including what I spent in shipping)
>
> instead wants to KEEP the radio and me give him $80 dollars back
>
> I ripped him off, he is going to prosecute me for mail fraud etc etc
>
> i looked his shipping address up online to get directions in case I needed to drive down there and lo and behold I found out quite a bit about Dennis.....
>
> he STILL insists that I am trying to rip him off but will NOT return the radio for a refund and has told me if I come there to pick it up he will call the police
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> as it stands I told paypal that I would refund ALLhis $ and he immediatly dropped his claim
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> so ANOTHER heads up about Dennis radiodg@... to top
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4300. FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 18:58:09 UTC
From: D G
Topic: 4184 Message: 4300

My Ebay rating is 98-99% satisfaction, that's AWESOME !!!

> To: acom-list@yahoogroups.com
> From: radiodg@...
> Date: Mon, 8 Aug 2011 18:56:47 +0000
> Subject: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER
>
>
> Paul is the self-proclaimed "Hoss Trader", just look at his QRZ page.
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>
> To: acom-list@yahoogroups.com
> From: highschooldiving@...
> Date: Mon, 8 Aug 2011 11:08:16 -0700
> Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER
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> Pete, Dennis usually shows up when he has trouble on ebay. Paul w8jn
>
> Quantum materiae materietur marmota monax
>
> si marmota monax materiam possit materiari?
>
> --- On Mon, 8/8/11, Peter Bucy <petebucy@...> wrote:
>
> From: Peter Bucy <petebucy@...>
> Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM RADIO AMPLIFIER
> To: acom-list@yahoogroups.com
> Date: Monday, August 8, 2011, 1:54 PM
>
>
>
> Let me make a suggestion. Hire an attorney and sue this jerk for
>
> defamation. Drag him into court and all all of the folks that he has
>
> ripped off as witnesses. Then see if your local DA will look into his
>

> activities. Report him to ebay and see if they will ban him. In general,
>
> make his life a living hell in the courts.
>
> Pete
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> KD4CQZ
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> On 8/8/2011 7:51 AM, paul glassman wrote:
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> > An interesting story posted by W3ODD on qth.com feedback........
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> > I had a BEAUTIFUL ONE OWNER panasonic RF-4900 on the board and he contacted me about it
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> > he didn't give me his call sign and in fact toldme he was NOT a HAM......
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> > and that they needed a radio for the church.......
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something nice for the church......... good karma and all that........

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> > he received the radio today and IMMEDIATLY filed a complaint against me with paypal demanding 1/2 of his money back...$80.....
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> > I told him that I would happily refund 100% of his $ if he sends the radio back..but he seems not to be interested in that...
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> > I even told him if he would like (to save him on the shipping) that I would DRIVE there (he lives about an hour away) and pick the rig up from him and give him ALL his $ back (including what I spent in shipping)
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> > instead wants to KEEP the radio and me give him $80 dollars back
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> > I ripped him off, he is going to prosecute me for mail fraud etc etc
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> > i looked his shipping address up online to get directions in case I needed to drive down there and lo and behold I found out quite a bit about Dennis........
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4301. RE: [acom-list] Spam

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-08 20:25:08 UTC
From: Hal Kennedy
Topic: 4184 Message: 4301

Right on Jim. I was also about to ask the moderator to moderate. I'm retired and can do it if no one else has the time.

73 to all,
N4GG

[Non-text portions of this message have been removed]

4302. Re: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-09 01:29:32 UTC
From: Peter Bucy
Topic: 4184 Message: 4302

We'll see how that works out for you.

Pete

KD4CQZ

On 8/8/2011 2:53 PM, D G wrote:
> I won't waste my time, my business, is my business and that means, none of yours.
>
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>
> To: acom-list@yahoogroups.com
> From: petebucy@...
> Date: Mon, 8 Aug 2011 14:15:02 -0400
> Subject: Re: [acom-list] Gossip& Slander: Paul Glassman W8JN
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> Dennis, I don't know you from mud. Either your are engaging in the scams
> described, or you are the victim of a conspiracy that spans a lot of
> people who don't appear to even each other. I have seen internet scam
> artists defend their 'honor' with great vigor. Because of the faceless
> interface of the internet, they take advantage of people and can claim
> to be victims of their greedy and heartless customers.
>
> Maybe you would care to explain to all of us how you have had such very
> bad reviews on the internet? Really, why would all of these folks feel
> the need to attack you? It has been alleged that you lie a lot. It has
> been alleged in this form that you misrepresented yourself as wanting to
> buy a piece of equipment for a church, when that was not true. That is
> called fraud in the inducement.
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> Internet scam artists usually have a lot of tax issues too. They don't
> pay local and state sales taxes, use taxes, or federal income taxes as a
> general rule. It's not uncommon for an audit to find serious faults.
> Jail time is often a consequence along with strict financial penalties.
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> You don't worry about that sort of thing, do you? After all, you are
> just an honest internet merchant who is being persecuted by a pack of
> rabid ham radio fanatics - right?
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> Someone said that you don't accept Paypal or credit cards; is that

> right? Those two things are very common indicators of internet scams.
> People who don't take Paypal or credit card don't do so because both
> provide their customers with a viable avenue of redress, or their past
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> from dealing with you. I know that I would not buy from you or sell to you.
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> Pete
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> KD4CQZ
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> On 8/8/2011 1:25 PM, D G wrote:
>> Brucie, they are inaccurate, incomplete, one-sided and slanderous personal attacks that
are without basis and have nothing to do with ACOM amplifiers.
>>
>>
>>
>>
>> To: acom-list@yahoogroups.com
>> From: bmarton@...
>> Date: Mon, 8 Aug 2011 12:44:32 -0400
>> Subject: RE: [acom-list] Gossip& Slander: Paul Glassman W8JN
>>
>>
>>
>>
>>
>>
>>
>> I appreciate the information supplied by Paul as it is what we call a
>> reference. I aids in making decisions after looking into all the available
>> information before we spend our money. I see no harm in this at all.
>>
>> If these threads are from various forums on the net, then they are in the
>> public domain and open to anyone to read.
>>
>> Bruce K1XR
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
>> Of D G
>> Sent: Monday, August 08, 2011 12:34 PM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Gossip& Slander: Paul Glassman W8JN
>>
>> Another utter falsehood and complete lie.
>> There are two sides to every story.
>> And, this is not relevant to the ACOM User Group.
>>

>> Paul, do you have anything better to do in your life than spread gossip and
>> slander ?
>> I really feel sorry for you.
>>
>>
>> To: acom-list@yahoogroups.com
>> From: highschooldiving@...
>> Date: Mon, 8 Aug 2011 09:31:30 -0700
>> Subject: Re: [acom-list] FOR SALE: RARE ALPHA 6 50 MHz 2 KW 6 METER HAM
>> RADIO AMPLIFIER
>>
>> Another interesting story posted on qth.com feedback. Steve also indicated
>> that he will supply anyone with an email trail.
>>
>> kb2nqn
>>
>> Joined: 29 Dec 2003
>> Posts: 3
>> Location: long island, ny
>> Posted: Sun Jan 04, 2004 4:20 am Post subject: N3DG dennis gazaki
>> recently purchased a 742 from n3dg aka radio dg! - dennis gazak of
>> huntingdon, pa. suppossed to be in excellent working condition but that was
>> not exactly the case. the rig had little or no audio. i alerted dennis about
>> this problem the day i received the rig and he responded the rig had no
>> problem when he had it and it was mine as is. this tri bander had a bad
>> control board. it has been repaired at an additional cost to me.
>>
>> e mail history available by request...
>>
>> steve-kb2nqnBack to top
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[Non-text portions of this message have been removed]

4303. Re: [acom-list] Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-09 06:19:17 UTC
From: Hans Remeeus
Topic: 4184 Message: 4303

Is it possible to move on to Acom linears and forget the other subject?

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

4304. Re: Gossip & Slander: Paul Glassman W8JN

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-10 14:19:13 UTC
From: N1EU
Topic: 4184 Message: 4304

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Is it possible to move on to Acom linears and forget the other subject?
>
>

There are simple actions that the group administrator (who?) could be taking to keep this traffic off the group.

Barry N1EU

4305. ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-25 15:39:26 UTC
From: Tony Morris
Topic: 3809 Message: 4305

New ACOM 1010 tops out at 500W on the LED wattmeter during tuning with 70W input (RTTY button not activated). Additional power from transceivers (two different ones have the same effect) won't make it go any higher. It's rated for 500W continuous carrier but other users and the dealer indicate LED should go to 800W when tuning. Suggestions?

4306. Re: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-25 15:52:48 UTC
From: Brian Alsop
Topic: 3809 Message: 4306

Tony,

You didn't say band or whether or not you're using 240V mains.
Interesting video:
http://www.youtube.com/watch?v=2IPhe2qwNx0

The GU74B tube can certainly do 800W, the power supply is the limiting
factor in the 1010.

I've had 10 years worth of amps using this tube. The GU74B does go flat
after some time and increasing drive just increases screen current
without any power increase. The effect is noticed first on the highest
frequency band.

The ACOM-1010 is a newer product but still may still use a NOS tube, so
your tube could be flat. The ad does say it uses a Svetlana tube soit
may not be a poor Q/C Russian tube.

I purchased a number of replacement GU74B's from a reputable dealer. It
took 3 tries (under warranty) till we got one which would put out 1000W
on the ACOM1000. One only put out 600 watts.

73 de Brian/K3KO

On 8/25/2011 15:39, Tony Morris wrote:
>
>
> New ACOM 1010 tops out at 500W on the LED
> wattmeter during tuning with 70W input (RTTY
> button not activated). Additional power from
> transceivers (two different ones have the same
> effect) won't make it go any higher. It's rated
> for 500W continuous carrier but other users and
> the dealer indicate LED should go to 800W when
> tuning. Suggestions?
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1392 / Virus Database: 1520/3856 - Release Date: 08/25/11
>

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1392 / Virus Database: 1520/3856 - Release Date: 08/25/11

4307. Re: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-25 21:02:40 UTC
From: Tony Morris
Topic: 3809 Message: 4307

On 8/25/2011 11:52 AM, Brian Alsop wrote:
> Tony,
>
> You didn't say band or whether or not you're using 240V mains.
> Interesting video:
> http://www.youtube.com/watch?v=2IPhe2qwNx0
>
> The GU74B tube can certainly do 800W, the power supply is the limiting
> factor in the 1010.
>
Using 240V. The tube is indeed a Svetlana
GU74B. I can get only 500W max on 20, 15 and
10. Nowhere NEAR the output shown in the
youtube video. Same results using an OMNI VII
transceiver and an ICOM IC-718. Dealer
indicates the ACOM was loaded without a problem
to 800W at the shop before shipment. Tony, WA8TM

4308. Re: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 01:42:49 UTC
From: Peter Bucy
Topic: 3809 Message: 4308

Check to see that your transceivers auto-antenna tuner is turned off.

Pete

Pete KD4CQZ

On 8/25/2011 11:39 AM, Tony Morris wrote:
> New ACOM 1010 tops out at 500W on the LED
> wattmeter during tuning with 70W input (RTTY
> button not activated). Additional power from
> transceivers (two different ones have the same
> effect) won't make it go any higher. It's rated
> for 500W continuous carrier but other users and
> the dealer indicate LED should go to 800W when
> tuning. Suggestions?
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4309. Re: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 02:03:51 UTC
From: Tony Morris
Topic: 3809 Message: 4309

On 8/25/2011 9:42 PM, Peter Bucy wrote:
> Check to see that your transceivers auto-antenna tuner is turned off.
>
Antenna auto-tuner is turned off. SWR is 1.2:1
max. All equipment connected to a common
ground. No change in the results using ANT2
socket on the transceiver or linear. 240V wall
receptacle shows 120V on both of the hot wires
to the ACOM. Same problem when using an
ICOM//IC-718 transceiver in place of the
TenTec. Bob (W5OV) at Array Solutions is
pulling another 1010 out of the warehouse and
tomorrow morning we'll go through the tuning
process together, comparing results by phone.
It increasingly looks to me like something got
shaken up in transit since nothing he or I have
tried so far has made a bit of difference. But
still welcome ideas/suggestions. Tony, WA8TM

[Non-text portions of this message have been removed]

4310. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 08:25:32 UTC
From: Kees - pa7two
Topic: 3809 Message: 4310

There could be an easy fix for you :-) Read on:

Make sure you
have the correct mains voltage settings set in the Acom 1010 PSU. I
explain: If the house mains voltage is in example 220v and the default
voltage setting in the Acom 1010 of 240v is used, you will have much
lower RF output!

I experienced exactly the same, my house's mains
is 217volt under 10 amp load while Acom 1010 PSU was set to 240v and I
got in the 550 watts output only, a value far from the advertised RF
power the unit should be able to deliver.

Downside of the Acom
1010 (the only one if you ask me, beside the missing 50MHz band
selection) is that you have to re-solder thick metal joints in the
PSU... In other words, do not exercise this too often. And use lead-free
solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: tmorris@...
Date: Thu, 25 Aug 2011 11:39:26 -0400
Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

4311. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 11:29:56 UTC
From: Bob Naumann
Topic: 3809 Message: 4311

Kees,

In Europe this may be an issue, but here in the USA, our electricity is very tightly regulated at 120v/240v.

There are some exceptions to this that may be related to a rural electric company perhaps providing lower voltage, but nearly 100% of USA homes are serviced with 120/240v service.

The problem here is one of not being familiar with tuning of an amplifier and from conversations with Tony, it appears to me that he is adjusting the amplifier at less than the maximum tuning position.

He purchased the amplifier from us and it exceeds 800w when tuned properly.

I am going to work with him via telephone today to see if we can get his difficulty in tuning resolved.

Thanks for your suggestion.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, August 26, 2011 3:26 AM
To: ACOM Reflector site; tmorris@...
Subject: RE: [acom-list] ACOM 1010

There could be an easy fix for you :-) Read on:

Make sure you
have the correct mains voltage settings set in the Acom 1010 PSU. I explain: If the house mains voltage is in example 220v and the default voltage setting in the Acom 1010 of 240v is used, you will have much lower RF output!

I experienced exactly the same, my house's mains
is 217volt under 10 amp load while Acom 1010 PSU was set to 240v and I got in the 550 watts output only, a value far from the advertised RF power the unit should be able to deliver.

Downside of the Acom
1010 (the only one if you ask me, beside the missing 50MHz band selection) is that you have to re-solder thick metal joints in the

PSU... In other words, do not exercise this too often. And use lead-free solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: tmorris@...
Date: Thu, 25 Aug 2011 11:39:26 -0400
Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4312. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 11:57:23 UTC
From: Pete Bucy
Topic: 3809 Message: 4312

I'm a home builder by trade. It is not at all uncommon to have a branch circuit that is not capable of handling the load of high-draw equipment. This can be a big issue in older homes and on newer large homes where long branch circuit runs can induce considerable voltage drop. Sometimes an outlet will show that voltage is within specifications when you test it with a multi-meter. When you put it under a heavy load, it will suffer from severe voltage drop.

My radio shack has a dedicated 120v, 20 amp, single pole outlet using #10 conductors for the power supply and a 240v, 20 amp, double pole outlet using #10 conductors for the Acom 1010. The additional conductor capacity ensures that sufficient current will be available with almost zero voltage drop when under full load.

Pete - KD4CQZ

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, August 26, 2011 4:26 AM
To: ACOM Reflector site; tmorris@...
Subject: RE: [acom-list] ACOM 1010

There could be an easy fix for you :-) Read on:

Make sure you
have the correct mains voltage settings set in the Acom 1010 PSU. I explain: If the house mains voltage is in example 220v and the default voltage setting in the Acom 1010 of 240v is used, you will have much lower RF output!

I experienced exactly the same, my house's mains is 217volt under 10 amp load while Acom 1010 PSU was set to 240v and I got in the 550 watts output only, a value far from the advertised RF power the unit should be able to deliver.

Downside of the Acom
1010 (the only one if you ask me, beside the missing 50MHz band selection) is that you have to re-solder thick metal joints in the PSU... In other words, do not exercise this too often. And use lead-free solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: tmorris@...
Date: Thu, 25 Aug 2011 11:39:26 -0400
Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4313. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 12:11:22 UTC
From: Pete Bucy
Topic: 3809 Message: 4313

Bob - You are correct that most homes have reliable 120v/240v service. But as a home builder I can tell you that is not the case everywhere. In some communities the power service is grossly overloaded. While you might have the correct voltage most of the time, at peak demand times it can fall considerably below specs.

Even when the utility is providing power at the right voltage, improper wiring materials and techniques can reduce voltage at an outlet. I have seen overly long conductor runs and undersized conductors create high voltage loss many times.

I once saw a 240v outlet that a homeowner had created by pulling 120v from an outlet on the left leg of the power supply and another 120v conductor from the right leg. Both outlets were connected to other outlets in their respective branch circuits. Depending on what else was powered on these two 120v branch circuits the power readings fluctuated and neither showed the same voltage when tested against ground, not to mention that fact that the circuit used two separate breakers.

He destroyed the equipment that was hooked to that outlet when one breaker tripped and the other didn't.

Reduced voltage issues in homes is a bigger problem that most people know.

Pete - KD4CQZ

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Friday, August 26, 2011 7:30 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 1010

Kees,

In Europe this may be an issue, but here in the USA, our electricity is very tightly regulated at 120v/240v.

There are some exceptions to this that may be related to a rural electric company perhaps providing lower voltage, but nearly 100% of USA homes are serviced with 120/240v service.

The problem here is one of not being familiar with tuning of an amplifier and from conversations with Tony, it appears to me that he is adjusting the amplifier at less than the maximum tuning position.

He purchased the amplifier from us and it exceeds 800w when tuned properly.

I am going to work with him via telephone today to see if we can get his difficulty in tuning resolved.

Thanks for your suggestion.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, August 26, 2011 3:26 AM
To: ACOM Reflector site; tmorris@...
Subject: RE: [acom-list] ACOM 1010

There could be an easy fix for you :-) Read on:

Make sure you
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I experienced exactly the same, my house's mains is 217volt under 10 amp load while Acom 1010 PSU was set to 240v and I got in the 550 watts output only, a value far from the advertised RF power the unit should be able to deliver.

Downside of the Acom
1010 (the only one if you ask me, beside the missing 50MHz band selection) is that you have to re-solder thick metal joints in the PSU... In other words, do not exercise this too often. And use lead-free solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: tmorris@...
Date: Thu, 25 Aug 2011 11:39:26 -0400
Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

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button not activated). Additional power from

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effect) won't make it go any higher. It's rated

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the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

4314. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 12:20:28 UTC
From: Kees - pa7two
Topic: 3809 Message: 4314

Hi Bob,

It was just an suggestion Sir :-)

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 26 Aug 2011 06:29:56 -0500
Subject: RE: [acom-list] ACOM 1010

Kees,

In Europe this may be an issue, but here in the USA, our electricity is very

tightly regulated at 120v/240v.

There are some exceptions to this that may be related to a rural electric

company perhaps providing lower voltage, but nearly 100% of USA homes are

serviced with 120/240v service.

The problem here is one of not being familiar with tuning of an amplifier

and from conversations with Tony, it appears to me that he is adjusting the

amplifier at less than the maximum tuning position.

He purchased the amplifier from us and it exceeds 800w when tuned properly.

I am going to work with him via telephone today to see if we can get his

difficulty in tuning resolved.

Thanks for your suggestion.

73,

Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of Kees - pa7two

Sent: Friday, August 26, 2011 3:26 AM

To: ACOM Reflector site; tmorris@...

Subject: RE: [acom-list] ACOM 1010

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voltage setting in the Acom 1010 of 240v is used, you will have much

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I experienced exactly the same, my house's mains

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To: acom-list@yahoogroups.com

From: tmorris@...

Date: Thu, 25 Aug 2011 11:39:26 -0400

Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4315. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 12:32:00 UTC
From: Bob Naumann
Topic: 3809 Message: 4315

Pete,

While there are odd cases like those you cite, the vast majority of the installations we're talking about are those with a dedicated 240v line with its own 15A or 20A 2 pole breaker and properly sized wiring (14ga or 12ga respectively).

We cannot give advice based on the fact that someone might use improperly sized or overloaded wiring - we have to presume that they are doing things properly and according to code.

If they're not doing things properly and according to code, they're putting their equipment and their homes at risk.

That said, all Acom amplifiers are specified to work at +/- 10% of the line voltage (216 to 264 on the 240v tap) so in the USA, there is no reason to set any amplifier for any other line voltage than 240v that is used here in the USA - except in an extreme or unusual case. Setting it for 240v allows you to not be concerned about the line voltage at all. The power companies in the US are required to maintain the line voltage within a smaller percentage of 240v than the amp is specified at, so as long as it is in the range of 216 to 264, your amp should be on the 240v tap.

If the electricity coming into the home is not close to 240v, a call should be made to the power company to report it.

In addition, even at full output on 240v, these amplifiers won't be drawing 10 amps, so there should be no issue with voltage drop. If there is, that is an indication that there is a problem elsewhere in the electrical system.

73,

Bob W5OV
Array Solutions
(Former Electrical Contractor)

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Pete Bucy
Sent: Friday, August 26, 2011 7:11 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 1010

Bob - You are correct that most homes have reliable 120v/240v service. But as a home builder I can tell you that is not the case everywhere. In some communities the power service is grossly overloaded. While you might have the correct voltage most of the time, at peak demand times it

can fall considerably below specs.

Even when the utility is providing power at the right voltage, improper wiring materials and techniques can reduce voltage at an outlet. I have seen overly long conductor runs and undersized conductors create high voltage loss many times.

I once saw a 240v outlet that a homeowner had created by pulling 120v from an outlet on the left leg of the power supply and another 120v conductor from the right leg. Both outlets were connected to other outlets in their respective branch circuits. Depending on what else was powered on these two 120v branch circuits the power readings fluctuated and neither showed the same voltage when tested against ground, not to mention that fact that the circuit used two separate breakers.

He destroyed the equipment that was hooked to that outlet when one breaker tripped and the other didn't.

Reduced voltage issues in homes is a bigger problem that most people know.

Pete - KD4CQZ

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Friday, August 26, 2011 7:30 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 1010

Kees,

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Thanks for your suggestion.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kees - pa7two
Sent: Friday, August 26, 2011 3:26 AM
To: ACOM Reflector site; tmorris@...
Subject: RE: [acom-list] ACOM 1010

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1010 (the only one if you ask me, beside the missing 50MHz band selection) is that you have to re-solder thick metal joints in the PSU... In other words, do not exercise this too often. And use lead-free solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: tmorris@...
Date: Thu, 25 Aug 2011 11:39:26 -0400
Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

Yahoo! Groups Links

4316. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 12:31:37 UTC
From: Kees - pa7two
Topic: 3809 Message: 4316

My mains voltage unloaded is currently 219-220v max. It drops 2 volt under 10 amp load. It costed me a lot of effort to get to this situation, by the means of replacing all wires by much thicker diameter wires, create separate mains groups, install fuses, over-voltage protectors and huge 40amp mains filters etc. The shack main 'group' is totally separated from anything else in the house and solely feeds the shack equipment. Anything else like lights and PCs are wired on one of the two other mains groups in the house.

We were told years ago the mains will be raised to 240v, well that is not 'the case' in my case hi hi.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: petebucy@charter.net
Date: Fri, 26 Aug 2011 08:11:22 -0400
Subject: RE: [acom-list] ACOM 1010

Bob - You are correct that most homes have reliable 120v/240v service.

But as a home builder I can tell you that is not the case everywhere. In

some communities the power service is grossly overloaded. While you

might have the correct voltage most of the time, at peak demand times it

can fall considerably below specs.

Even when the utility is providing power at the right voltage, improper

wiring materials and techniques can reduce voltage at an outlet. I have

seen overly long conductor runs and undersized conductors create high

voltage loss many times.

I once saw a 240v outlet that a homeowner had created by pulling 120v

from an outlet on the left leg of the power supply and another 120v

conductor from the right leg. Both outlets were connected to other

outlets in their respective branch circuits. Depending on what else was

powered on these two 120v branch circuits the power readings fluctuated

and neither showed the same voltage when tested against ground, not to

mention that fact that the circuit used two separate breakers.

He destroyed the equipment that was hooked to that outlet when one breaker tripped and the other didn't.

Reduced voltage issues in homes is a bigger problem that most people know.

Pete - KD4CQZ

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann

Sent: Friday, August 26, 2011 7:30 AM

To: acom-list@yahoogroups.com

Subject: RE: [acom-list] ACOM 1010

Kees,

In Europe this may be an issue, but here in the USA, our electricity is very tightly regulated at 120v/240v.

There are some exceptions to this that may be related to a rural electric company perhaps providing lower voltage, but nearly 100% of USA homes are serviced with 120/240v service.

The problem here is one of not being familiar with tuning of an amplifier and from conversations with Tony, it appears to me that he is adjusting the amplifier at less than the maximum tuning position.

He purchased the amplifier from us and it exceeds 800w when tuned properly.

I am going to work with him via telephone today to see if we can get his difficulty in tuning resolved.

Thanks for your suggestion.

73,

Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

Behalf Of Kees - pa7two

Sent: Friday, August 26, 2011 3:26 AM

To: ACOM Reflector site; tmorris@...

Subject: RE: [acom-list] ACOM 1010

There could be an easy fix for you :-) Read on:

Make sure you

have the correct mains voltage settings set in the Acom 1010 PSU. I

explain: If the house mains voltage is in example 220v and the default

voltage setting in the Acom 1010 of 240v is used, you will have much

lower RF output!

I experienced exactly the same, my house's mains is 217volt under 10

amp load while Acom 1010 PSU was set to 240v and I got in the 550 watts

output only, a value far from the advertised RF power the unit should be

able to deliver.

Downside of the Acom

1010 (the only one if you ask me, beside the missing 50MHz band

selection) is that you have to re-solder thick metal joints in the

PSU... In other words, do not exercise this too often. And use lead-free

solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: tmorris@...

Date: Thu, 25 Aug 2011 11:39:26 -0400

Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4317. RE: [acom-list] ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 12:34:01 UTC
From: Kees - pa7two
Topic: 3809 Message: 4317

It's so easy. Measure the mains voltage when the amp is fully loaded. Then it is easy to see if there is amybe another issue causing the low RF output?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 26 Aug 2011 07:32:00 -0500
Subject: RE: [acom-list] ACOM 1010

Pete,

While there are odd cases like those you cite, the vast majority of the

installations we're talking about are those with a dedicated 240v line with

its own 15A or 20A 2 pole breaker and properly sized wiring (14ga or 12ga

respectively).

We cannot give advice based on the fact that someone might use improperly

sized or overloaded wiring - we have to presume that they are doing things

properly and according to code.

If they're not doing things properly and according to code, they're putting

their equipment and their homes at risk.

That said, all Acom amplifiers are specified to work at +/- 10% of the line

voltage (216 to 264 on the 240v tap) so in the USA, there is no reason to

set any amplifier for any other line voltage than 240v that is used here in

the USA - except in an extreme or unusual case. Setting it for 240v allows

you to not be concerned about the line voltage at all. The power companies

in the US are required to maintain the line voltage within a smaller

percentage of 240v than the amp is specified at, so as long as it is in the

range of 216 to 264, your amp should be on the 240v tap.

If the electricity coming into the home is not close to 240v, a call should

be made to the power company to report it.

In addition, even at full output on 240v, these amplifiers won't be drawing 10 amps, so there should be no issue with voltage drop. If there is, that is an indication that there is a problem elsewhere in the electrical system.

73,

Bob W5OV

Array Solutions

(Former Electrical Contractor)

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Pete Bucy

Sent: Friday, August 26, 2011 7:11 AM

To: acom-list@yahoogroups.com

Subject: RE: [acom-list] ACOM 1010

Bob - You are correct that most homes have reliable 120v/240v service. But as a home builder I can tell you that is not the case everywhere. In some communities the power service is grossly overloaded. While you might have the correct voltage most of the time, at peak demand times it can fall considerably below specs.

Even when the utility is providing power at the right voltage, improper wiring materials and techniques can reduce voltage at an outlet. I have seen overly long conductor runs and undersized conductors create high voltage loss many times.

I once saw a 240v outlet that a homeowner had created by pulling 120v from an outlet on the left leg of the power supply and another 120v conductor from the right leg. Both outlets were connected to other outlets in their respective branch circuits. Depending on what else was powered on these two 120v branch circuits the power readings fluctuated and neither showed the same voltage when tested against ground, not to

mention that fact that the circuit used two separate breakers.

He destroyed the equipment that was hooked to that outlet when one breaker tripped and the other didn't.

Reduced voltage issues in homes is a bigger problem that most people know.

Pete - KD4CQZ

-----Original Message-----

From: acom-list@...m [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann

Sent: Friday, August 26, 2011 7:30 AM

To: acom-list@yahoogroups.com

Subject: RE: [acom-list] ACOM 1010

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He purchased the amplifier from us and it exceeds 800w when tuned properly.

I am going to work with him via telephone today to see if we can get his difficulty in tuning resolved.

Thanks for your suggestion.

73,

Bob W5OV

Array Solutions

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

Behalf Of Kees - pa7two

Sent: Friday, August 26, 2011 3:26 AM

To: ACOM Reflector site; tmorris@...

Subject: RE: [acom-list] ACOM 1010

There could be an easy fix for you :-) Read on:

Make sure you

have the correct mains voltage settings set in the Acom 1010 PSU. I

explain: If the house mains voltage is in example 220v and the default

voltage setting in the Acom 1010 of 240v is used, you will have much

lower RF output!

I experienced exactly the same, my house's mains is 217volt under 10

amp load while Acom 1010 PSU was set to 240v and I got in the 550 watts

output only, a value far from the advertised RF power the unit should be

able to deliver.

Downside of the Acom

1010 (the only one if you ask me, beside the missing 50MHz band

selection) is that you have to re-solder thick metal joints in the

PSU... In other words, do not exercise this too often. And use lead-free

solder!!!

Vy 73, de Kees.

AmateurRadio : PA7TWO - M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: tmorris@...

Date: Thu, 25 Aug 2011 11:39:26 -0400

Subject: [acom-list] ACOM 1010

New ACOM 1010 tops out at 500W on the LED

wattmeter during tuning with 70W input (RTTY

button not activated). Additional power from

transceivers (two different ones have the same

effect) won't make it go any higher. It's rated

for 500W continuous carrier but other users and

the dealer indicate LED should go to 800W when

tuning. Suggestions?

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4318. Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-26 17:56:43 UTC
From: iz7crw
Topic: 3650 Message: 4318

Hello everyone,
I own a Acom 1010 and the output power has always been excellent.
For some time the electricity distribution network has updated its systems with the result of having a first voltage from 230/235V to 220V now. The Acom 1010 hours delivers less power than before.
I want to change the voltage selector is set to 230 now and would like to configure it for 220V.
Since I have never performed this procedure, some of you could kindly provide me with detailed instructions to proceed to work?

Thanks for your help!

IZ7CRW Fabio

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Andrey,
>
> The voltage can be changed by remove these wire bridges and re-positioning them in one of the other combinations. I do recall this is explained in the user manual on the service CD. Contact me directly for digital documents I have available.
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
>
>
> > To: acom-list@yahoogroups.com
> > CC: kotjunk@...
> > From: nick.ve3ey@...
> > Date: Tue, 24 Aug 2010 07:33:15 -0400
> > Subject: Re: [acom-list] Re: Voltage selector for ACOM 1010
> >
> > Hi Andrey
> >
> > It looks as if neither ACOM 1000 or ACOM 1010 amps have much details in
> > their manual about changing the Mains Voltage. I am unsure if changing
> > the voltage is the same on both.
> >
> > I took the cover off and here is what it looks like on ACOM 1010:
> >
> > http://dx.fireroute.com/DSC_0261s.JPG

> >
> > I will contact the distributor for details.
> >
> > Thanks for your help
> > 73, Nick
> > ve3ey
> >
> >
> >
> > On 8/23/2010 11:25 AM, Andrey wrote:
> > >
> > >
> > > Did you remove the cover already? I am not sure how it is with ACOM 1010
> > > but the ACOM 1000 usualy has a sticker on the inside of the cover
> > > describing the voltage selection.
> > >
> > > 73
> > > AE1S
> > >
> > > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> > > Nick - VE3EY <nick.ve3ey@> wrote:
> > > >
> > > > Does anyone have the instructions how to make the voltage selector
> > > changes
> > > > on ACOM 1010? I can't find this in the manual.
> > > > It looks like the changes must be made by moving the solder-in jumpers
> > > > around on the PC board inside the amp.
> > > >
> > > > 73, Nick
> > > > ve3ey
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
>

4319. RE: [acom-list] Re: Voltage selector for ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-28 17:57:47 UTC
From: Kees - pa7two
Topic: 3650 Message: 4319

Hi Fabio,

If I am not mistaken, this info is in your user manual.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: iz7crw@...
Date: Fri, 26 Aug 2011 17:56:43 +0000
Subject: [acom-list] Re: Voltage selector for ACOM 1010

Hello everyone,

I own a Acom 1010 and the output power has always been excellent.

For some time the electricity distribution network has updated its systems with the result of having a first voltage from 230/235V to 220V now. The Acom 1010 hours delivers less power than before.

I want to change the voltage selector is set to 230 now and would like to configure it for 220V.

Since I have never performed this procedure, some of you could kindly provide me with detailed instructions to proceed to work?

Thanks for your help!

IZ7CRW Fabio

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>

>

> Hi Andrey,

>

> The voltage can be changed by remove these wire bridges and re-positioning them in one of the other combinations. I do recall this is explained in the user manual on the service CD. Contact me directly for digital documents I have available.

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

>

>

> > To: acom-list@yahoogroups.com

> > CC: kotjunk@...

> > From: nick.ve3ey@...

> > Date: Tue, 24 Aug 2010 07:33:15 -0400

> > Subject: Re: [acom-list] Re: Voltage selector for ACOM 1010

> >

> > Hi Andrey

> >

> > It looks as if neither ACOM 1000 or ACOM 1010 amps have much details in

> > their manual about changing the Mains Voltage. I am unsure if changing

> > the voltage is the same on both.

> >

> > I took the cover off and here is what it looks like on ACOM 1010:

> >

> > http://dx.fireroute.com/DSC_0261s.JPG

> >

> > I will contact the distributor for details.

> >

> > Thanks for your help

> > 73, Nick

> > ve3ey

> >

> >

> >

> > On 8/23/2010 11:25 AM, Andrey wrote:

> > >

> > >

> > > Did you remove the cover already? I am not sure how it is with ACOM 1010

> > > but the ACOM 1000 usualy has a sticker on the inside of the cover

> > > describing the voltage selection.

> > >

> > > 73

> > > AE1S

> > >

> > > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,

> > > Nick - VE3EY <nick.ve3ey@> wrote:

> > > >

> > > > Does anyone have the instructions how to make the voltage selector

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> > > > on ACOM 1010? I can't find this in the manual.

> > > > It looks like the changes must be made by moving the solder-in jumpers

> > > > around on the PC board inside the amp.

> > > >

> > > > 73, Nick

> > > > ve3ey

> > > >

> > > >

> > > > [Non-text portions of this message have been removed]

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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4320. ACOM Director

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 09:58:39 UTC
From: James Thresher
Topic: 4320 Message: 4320

Hi All,

Due to work commitments I'm not getting a lot of time to work on the ACOM Director project, because of this I'm considering making the project open source and hosting it on codeplex (http://www.codeplex.com/) so that others can contribute towards the project and make use of the source code.

Is this something that any of you would be interested in? Are there any programmers among the ACOM2000 users who may wish to help to move the project forward?

73 James M0YOM

4321. Lantronix Serial Server with 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 14:04:35 UTC
From: dj0qn
Topic: 4321 Message: 4321

I have installed a Lantronix serial server (UDS2100) along with the Acom remote power-on adapter to remote control the 2000a.

There is a strange problem that I don't experience running off of a local (real) serial port for an identical 2000a in another station:

This particular 2000a turns on as soon as the remote software (Acom Tools, TRX-Acom, etc.) that is used connects to the remote serial port, not waiting for the software command first. In addition, it turns itself off without the cool down phase if the remote software is disconnected first.

Perhaps someone else has this configuration running and can let me know if something is set wrong in either the Acom menu, or (more likely) either the Lantronix CPR manager or in the UDS2100 itself.

73,
Mitch DJ0QN

4322. Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 17:04:59 UTC
From: Fernando EC1CT
Topic: 4320 Message: 4322

Hi all,
I´m keeping this message on my Acom 2000´s RCU everytime I try to key the amp on. I´m assuming that the vacuum relay has definitively gone (yes, it failed from time to time before).
I talked to Acom and was tempted to send the amplifier to their technical service but the unit is quite heavy and delicate and I´m concerned about the shipping company. I got a friend who
has changed some relays on the Acom 1000 series and got an enough good reputation to let him play inside my well cared unit (ha!). I´m wondering if there is any source in Europe to buy
the 2000´s vacuum relays and if it´s advisable to replace both relays. On the other hand, I would be pleased to hear any other recomendation you could give me. Thank you!
BTW: I´m keeping my QRO capabilities by bringing back to life my old and trusty Drake L7....it has never let me down !!!...73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

[Non-text portions of this message have been removed]

4323. Re: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-28 20:40:48 UTC
From: LA7SL Nils Petter
Topic: 4320 Message: 4323

Acom Bulgaria usually stocks service parts for their amps,
apart from tubes that is,- try them !
Peter

----- Original Message -----
From: Fernando EC1CT
To: acom-list@yahoogroups.com
Sent: Monday, August 29, 2011 7:04 PM
Subject: [acom-list] Antenna relay open it should be close.....

Hi all,
I´m keeping this message on my Acom 2000´s RCU everytime I try to key the amp on. I´m assuming that the vacuum relay has definitively gone (yes, it failed from time to time before).
I talked to Acom and was tempted to send the amplifier to their technical service but the unit is quite heavy and delicate and I´m concerned about the shipping company. I got a friend who
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the 2000´s vacuum relays and if it´s advisable to replace both relays. On the other hand, I would be pleased to hear any other recomendation you could give me. Thank you!
BTW: I´m keeping my QRO capabilities by bringing back to life my old and trusty Drake L7....it has never let me down !!!...73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4324. Re: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 17:32:53 UTC
From: W5OV@w5ov.com
Topic: 4320 Message: 4324

Acom Bulgaria stocks tubes also.

The price is high, but they have them.

> Acom Bulgaria usually stocks service parts for their amps,
> apart from tubes that is,- try them !
> Peter
>
> ----- Original Message -----
> From: Fernando EC1CT
> To: acom-list@yahoogroups.com
> Sent: Monday, August 29, 2011 7:04 PM
> Subject: [acom-list] Antenna relay open it should be close.....
>
>
>
> Hi all,
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> concerned about the shipping company. I got a friend who
> has changed some relays on the Acom 1000 series and got an enough good
> reputation to let him play inside my well cared unit (ha!). I?m
> wondering if there is any source in Europe to buy
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> On the other hand, I would be pleased to hear any other recomendation
> you could give me. Thank you!
> BTW: I?m keeping my QRO capabilities by bringing back to life my old and
> trusty Drake L7....it has never let me down !!!...73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
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> Yahoo! Groups Links
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4325. Re: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 17:33:03 UTC
From: Fernando EC1CT
Topic: 4320 Message: 4325

Hi Peter,
Thanks for the info. I tried Acom but factory must be closed till September, the 1st, however I can wait. TU. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: LA7SL Nils Petter
Sent: Sunday, August 28, 2011 10:40 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Antenna relay open it should be close.....

Acom Bulgaria usually stocks service parts for their amps,
apart from tubes that is,- try them !
Peter

----- Original Message -----
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Sent: Monday, August 29, 2011 7:04 PM
Subject: [acom-list] Antenna relay open it should be close.....

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Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1392 / Base de datos de virus: 1520/3865 - Fecha de la versión: 29/08/2011

[Non-text portions of this message have been removed]

4326. ACOM Director

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 18:28:25 UTC
From: W1JCW
Topic: 4320 Message: 4326

Good idea James.

I understand it takes time and effort supporting any product, specially a free one.

Thanks for the efforts.

73-
W1JCW
John

From: James Thresher
Sent: Monday, August 29, 2011 4:58 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM Director

Hi All,

Due to work commitments I'm not getting a lot of time to work on the ACOM Director project, because of this I'm considering making the project open source and hosting it on codeplex (http://www.codeplex.com/) so that others can contribute towards the project and make use of the source code.

Is this something that any of you would be interested in? Are there any programmers among the ACOM2000 users who may wish to help to move the project forward?

73 James M0YOM

[Non-text portions of this message have been removed]

4327. Re: [acom-list] ACOM Director

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 18:41:20 UTC
From: Gerry Hull
Topic: 4320 Message: 4327

Hi James,

I wrote some of the original Acom control software many years ago... Yes, completely understand time commitments... I have many of those constraints myself.
I'm a .Net guy... glad to keep and eye on the project and enhance or bug fix. I'll be looking for it on codeplex.

Thanks for the great work!

73, Gerry W1VE

On Mon, Aug 29, 2011 at 5:58 AM, James Thresher <yomengineering@...>wrote:

> Hi All,
>
> Due to work commitments I'm not getting a lot of time to work on the ACOM
> Director project, because of this I'm considering making the project open
> source and hosting it on codeplex (http://www.codeplex.com/) so that
> others
> can contribute towards the project and make use of the source code.
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> Is this something that any of you would be interested in? Are there any
> programmers among the ACOM2000 users who may wish to help to move the
> project forward?
>
> 73 James M0YOM
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4328. Re: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-29 18:48:56 UTC
From: IVAN
Topic: 4320 Message: 4328

Hi,
I have had this _("Antenna relay open it should be close....."_) problem in the past time october 2010 this error was produced for one of my antennas (I do not detect before if the problem is produced for any antenna all antennas are OK) with others not appear, I ask for it ACOM Bulgaria, and say to my step to step to take measure in the internal plate all measures are OK (¿?) I think my antenna switch is damage (¿?) I check all antenna conections and swich,finally I decide to change the vacuun realy and ask for the price, but at this time I decide to make a experiment (!!!!!!!!!!!)
I build a RF choke 23,5 turns of RG 58/U (you ca make it of RG 213, but is very long the pipe) on a 110 mm diameter PVC pipe and insert THE CHOKE "between" _antenna out and antenna the switch_ the problem has not appeared at the moment and the ACOM 2000 is working 100%
I am surprised for it (¿?), mine is one of the 2000/2001 _year is 10 years old .
_Sorry for my English
73´s Ivan EA8YG "LANZAROTE ISLAND)

El 29/08/2011 18:04, Fernando EC1CT escribió:
>
> Hi all,
> I´m keeping this message on my Acom 2000´s RCU everytime I try to key
> the amp on. I´m assuming that the vacuum relay has definitively gone
> (yes, it failed from time to time before).
> I talked to Acom and was tempted to send the amplifier to their
> technical service but the unit is quite heavy and delicate and I´m
> concerned about the shipping company. I got a friend who
> has changed some relays on the Acom 1000 series and got an enough good
> reputation to let him play inside my well cared unit (ha!). I´m
> wondering if there is any source in Europe to buy
> the 2000´s vacuum relays and if it´s advisable to replace both relays.
> On the other hand, I would be pleased to hear any other recomendation
> you could give me. Thank you!
> BTW: I´m keeping my QRO capabilities by bringing back to life my old
> and trusty Drake L7....it has never let me down !!!...73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@... <mailto:ec1ct%40esbesaya.com>
> KR DX Group
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4329. Re: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-28 22:50:26 UTC
From: LA7SL Nils Petter
Topic: 4320 Message: 4329

Interesting !
Could it be that the protective choke across the amp output is open circuit ?
The amp should have a choke providing a DC path from output to ground.
If this choke is placed after the output relay the amp could be using this path as a check for relay closure. Just an idea... but if so is the case a choke failure would indicate an open relay....
I will check the schematics later and see...
Peter

----- Original Message -----
From: IVAN
To: acom-list@yahoogroups.com
Sent: Monday, August 29, 2011 8:48 PM
Subject: Re: [acom-list] Antenna relay open it should be close.....

Hi,
I have had this _("Antenna relay open it should be close....."_) problem in the past time october 2010 this error was produced for one of my antennas (I do not detect before if the problem is produced for any antenna all antennas are OK) with others not appear, I ask for it ACOM Bulgaria, and say to my step to step to take measure in the internal plate all measures are OK (¿?) I think my antenna switch is damage (¿?) I check all antenna conections and swich,finally I decide to change the vacuun realy and ask for the price, but at this time I decide to make a experiment (!!!!!!!!!!!)
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> I talked to Acom and was tempted to send the amplifier to their
> technical service but the unit is quite heavy and delicate and I´m
> concerned about the shipping company. I got a friend who
> has changed some relays on the Acom 1000 series and got an enough good
> reputation to let him play inside my well cared unit (ha!). I´m
> wondering if there is any source in Europe to buy

> the 2000´s vacuum relays and if it´s advisable to replace both relays.
> On the other hand, I would be pleased to hear any other recomendation
> you could give me. Thank you!
> BTW: I´m keeping my QRO capabilities by bringing back to life my old
> and trusty Drake L7....it has never let me down !!!...73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@... <mailto:ec1ct%40esbesaya.com>
> KR DX Group
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4330. Re: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-30 09:32:41 UTC
From: Fernando EC1CT
Topic: 4320 Message: 4330

Hola Ivan,
Gracias por responder. Dudo que sea eso que dices porque todo va perfecto con 1 Kw del Drake L7. No obstante, voy a hechar un ojo a mi conmutador de antenas.
Gracias !

Thanks for the reply. I doubt that could be my problem as it started to appear after a heavy duty keying cycle during the ST0R cw´s pile. No, I don´t do QSK but the pile up was huge !!!!
However, I´m gonna climb the tower to check the antenna switch. Thank you !!...73

Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: IVAN
Sent: Monday, August 29, 2011 8:48 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Antenna relay open it should be close.....

Hi,
I have had this _("Antenna relay open it should be close....."_) problem in the past time october 2010 this error was produced for one of my antennas (I do not detect before if the problem is produced for any antenna all antennas are OK) with others not appear, I ask for it ACOM Bulgaria, and say to my step to step to take measure in the internal plate all measures are OK (¿?) I think my antenna switch is damage (¿?) I check all antenna conections and swich,finally I decide to change the vacuun realy and ask for the price, but at this time I decide to make a experiment (!!!!!!!!!!!)
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> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@... <mailto:ec1ct%40esbesaya.com>
> KR DX Group
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1392 / Base de datos de virus: 1520/3866 - Fecha de la versión: 29/08/2011

[Non-text portions of this message have been removed]

4331. RE: [acom-list] Antenna relay open it should be close.....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-08-30 11:55:56 UTC
From: Kees - pa7two
Topic: 4320 Message: 4331

Just my 2cents:

I have purchased in the past several parts for various Acom amps (repairs) by Acom in Bulgaria. All parts were delivered against normal shop prices (sometimes even lower!) and lighting fast delivery.

Seriously, I wish that other amp manufacturers did the same...

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Mon, 29 Aug 2011 13:32:53 -0400
Subject: Re: [acom-list] Antenna relay open it should be close.....

Acom Bulgaria stocks tubes also.

The price is high, but they have them.

> Acom Bulgaria usually stocks service parts for their amps,

> apart from tubes that is,- try them !

> Peter

>

> ----- Original Message -----

> From: Fernando EC1CT

> To: acom-list@yahoogroups.com

> Sent: Monday, August 29, 2011 7:04 PM

> Subject: [acom-list] Antenna relay open it should be close.....

>

>

>

> Hi all,

> I?m keeping this message on my Acom 2000?s RCU everytime I try to key

> the amp on. I?m assuming that the vacuum relay has definitively gone
> (yes, it failed from time to time before).
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

4332. Re: ACOM 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-01 19:14:58 UTC
From: tonymorris632
Topic: 3809 Message: 4332

--- In acom-list@yahoogroups.com, Tony Morris <tmorris@...> wrote:
>
> New ACOM 1010 tops out at 500W on the LED
> wattmeter during tuning with 70W input (RTTY
> button not activated). Additional power from
> transceivers (two different ones have the same
> effect) won't make it go any higher. It's rated
> for 500W continuous carrier but other users and
> the dealer indicate LED should go to 800W when
> tuning. Suggestions?
>
SOLUTION: Apparently the original tube was damaged on transit. New tube works fine. Bob at Array Solutions dedicated far more time to solving this frustrating problem than I had any reason to expect. Excellent customer service.

4333. ACOM Director

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-05 07:05:07 UTC
From: James Thresher
Topic: 4320 Message: 4333

Further to my email the other week, ACOM Director is now available on codeplex as an open source project.

I will be continuing to develop the software, but progress may be a bit slower due to work commitments (we all have to pay the bills after all).

However by creating the codeplex project, it opens up the possibility of others contributing towards the project as well.

If anyone would like to be able to work on the project, either programming or documentation etc. then drop me an email and I'll get a user setup for you.

The project can be found at http://acomdirector.codeplex.com , If anyone is curious, the source code is fully available for anyone to browse and download.

73 James M0YOM

[Non-text portions of this message have been removed]

4334. (no subject)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-12 17:11:47 UTC
From: kg4lru@aol.com
Topic: 4334 Message: 4334

http://djuber.com/wp-content/plugins/extended-comment-options/dttpps.htm

4335. ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-12 23:43:26 UTC
From: NatureDude
Topic: 4335 Message: 4335

My amp is intermittently reporting "Relay closed should be open" failures in receive mode. I can sometimes hear the TR relay chattering.

I've sent an email to Will based on an email address I found with no response. The Acom site currently seems to have no contact info, in fact, no content at all other than the root page and 1010 link.

I am concerned that it isn't easier to reach someone. What is the correct method to obtain support?

73,
Drew K3PA

4336. RE: [acom-list] ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-12 23:50:43 UTC
From: Ron Castro
Topic: 4335 Message: 4336

Check with the folks at Array Solutions. They are now an authorized service center:

http://www.arraysolutions.com/

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of NatureDude
Sent: Monday, September 12, 2011 4:43 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A Failure

My amp is intermittently reporting "Relay closed should be open" failures in receive mode. I can sometimes hear the TR relay chattering.

I've sent an email to Will based on an email address I found with no response. The Acom site currently seems to have no contact info, in fact, no content at all other than the root page and 1010 link.

I am concerned that it isn't easier to reach someone. What is the correct method to obtain support?

73,
Drew K3PA

Yahoo! Groups Links

4337. age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 08:05:34 UTC
From: pa3hgt
Topic: 4337 Message: 4337

hello all,

How can i determine the age of a GU74b ?

I can't find any info ...yet...

Hans,PA3HGT

4338. RE: [acom-list] age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 08:27:40 UTC
From: Kees - pa7two
Topic: 4337 Message: 4338

Hi Hans,

The date stamp is printed on the tube itself on the middle ring. In general the newer tubes are nice & shiny, the tubes produced before let say year 1998 or so are looking 'dull'.

Send me some good quality photos of the stamped numbers/characters on the tube via email (callsign @ hotmail dot com) and I tell you the date in return.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: pa3hgt@...
Date: Tue, 13 Sep 2011 08:05:34 +0000
Subject: [acom-list] age GU74b

hello all,

How can i determine the age of a GU74b ?

I can't find any info ...yet...

Hans,PA3HGT

[Non-text portions of this message have been removed]

4339. Re: [acom-list] age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 08:30:31 UTC
From: Hans Remeeus
Topic: 4337 Message: 4339

Hello Hans,

You will find a little stamp on the tube, e.g. 1192 means: November 1992.

It's on the same ring as the other text, e.g. ry-74b9207 OTK 10 <russian letters> etc.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 13-9-2011 10:05, pa3hgt schreef:
> hello all,
>
> How can i determine the age of a GU74b ?
>
> I can't find any info ...yet...
>
> Hans,PA3HGT
>
>
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>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4340. ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 12:18:39 UTC
From: Jay Terleski
Topic: 4340 Message: 4340

Drew,

ACOM applies a 1.8VDC on the TR relay through an RF choke. It is used to sense which position the TR relay is in.
Check your schematics. The voltage is sent to the Processor board. It is highly likely you need to just change out the TR relay. HC-1 is a good choice. and you can get new ones from Allen Bond at Max Gain Systems, best prices I have found.

Jay

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

4341. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 12:29:30 UTC
From: Barry N1EU
Topic: 4340 Message: 4341

Relay replacement instructions are in the Files section of the Yahoo Group site at http://groups.yahoo.com/group/acom-list/files/VacRel_A1000/

73, Barry N1EU

On Tue, Sep 13, 2011 at 8:18 AM, Jay Terleski <jayt@arraysolutions.com>wrote:

> **
>
>
> Drew,
>
> ACOM applies a 1.8VDC on the TR relay through an RF choke. It is used to
> sense which position the TR relay is in.
> Check your schematics. The voltage is sent to the Processor board. It is
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>
> Jay
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
> [Non-text portions of this message have been removed]
>
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[Non-text portions of this message have been removed]

4342. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 12:51:44 UTC
From: Fernando EC1CT
Topic: 4340 Message: 4342

Hi Jay and all,
This happens to me a month ago. Got the same message ¨antenna relay open it should be close¨..It was displayed twice or three times during a hard cw pileup. Switching the amp to standby for a few seconds and then back on solved the problem ocasionally. On the next day the relay went off definitively. I was pretty sure about a relay failure so I ordered a Gigavac GH1 relay directly from Acom. It tooks 4 days to be here. Meanwhile I have unplugged the amp and had the top cover and the front cover removed. The relay is clearly visible from the front, down in the left side. All that you would need is a good solder and a medium soldering skills. Took me 5 minutes to replace the relay, even less time than putting the top cover and the front cover back in place. The amp is working great since then but I´m trying to find out why the relay failed as I dont think anything related to a hot switching. Ideas are welcome. Best 73!
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Jay Terleski
Sent: Tuesday, September 13, 2011 2:18 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 200A Failure (T/R relay)

Drew,

ACOM applies a 1.8VDC on the TR relay through an RF choke. It is used to
sense which position the TR relay is in.
Check your schematics. The voltage is sent to the Processor board. It is
highly likely you need to just change out the TR relay. HC-1 is a good
choice. and you can get new ones from Allen Bond at Max Gain Systems, best
prices I have found.

Jay

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1392 / Base de datos de virus: 1520/3894 - Fecha de la versión: 13/09/2011

[Non-text portions of this message have been removed]

4343. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 13:36:59 UTC
From: Brian Alsop
Topic: 4340 Message: 4343

Fernando,

Relays have a finite number of operations they are rated for.
If you're doing QSK CW consider the following:

25 contests with 1000 QSO's adds up to >1,000,000 operations.

HC-1 relays are rated for 2 million operations.

73 de Brian/K3KO

The amp is
> working great since then but I´m trying to find out why the relay failed
> as I dont think anything related to a hot switching. Ideas are welcome.
> Best 73!
> Fernando EC1CT // KD0IGJ

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3892 - Release Date: 09/12/11

4344. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 13:49:51 UTC
From: Hal Kennedy
Topic: 4340 Message: 4344

Kevin beat me to it..

Relays have a moving part and contacts that brush against each other, hence they wear out. It's not uncommon to call 7,000 CQs in heavy contesting over a 48 hour period. 6/min X 60 min X 48 hours = 8640. That's not counting QSOs - double it at least to 15,000 per 48 hour contest. That's also not counting QSK - this is the number with QSK off.

For a 2 million cycle rated relay, that's 133, 48 hour contests. With QSK on it's literally only a few contests. Most of the HC-1s last way over 2 million cycles, but then there are the premature failures. Both my 2000As have never lost a relay - the amps are at around 10,000 hours and the relays are WAY past their spec life. I had an HC-1 go bad in an Alpha 99 however after about a year. It's a moving mechanical part...ya never know.

MAXGAIN is the best place for replacements.Ill second Jay's recommendation.. Alan carries new ones and used ones. I'd pop for a new one. Easy to swap out..

73,
Hal N4GG

[Non-text portions of this message have been removed]

4345. RE: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 14:05:45 UTC
From: Ron NØAT
Topic: 4340 Message: 4345

The relay in my 2000A failed a few years ago. In replacing the relay, I found one of the relay coil pins was loose in the housing. I touched the pin and it fell out of the housing. I suspect the relay contacts were ok, the coil was not making a good connection. When replacing the relay make sure to use minimum heat on the relay contact pins.

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Fernando EC1CT
Sent: Tuesday, September 13, 2011 07:52
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 200A Failure (T/R relay)

Hi Jay and all,
This happens to me a month ago. Got the same message ¨antenna relay open it should be close¨..It was displayed twice or three times during a hard cw pileup. Switching the amp to standby for a few seconds and then back on solved the problem ocasionally. On the next day the relay went off definitively. I was pretty sure about a relay failure so I ordered a Gigavac GH1 relay directly from Acom. It tooks 4 days to be here. Meanwhile I have unplugged the amp and had the top cover and the front cover removed. The relay is clearly visible from the front, down in the left side. All that you would need is a good solder and a medium soldering skills. Took me 5 minutes to replace the relay, even less time than putting the top cover and the front cover back in place. The amp is working great since then but I´m trying to find out why the relay failed as I dont think anything related to a hot switching. Ideas are welcome. Best 73!
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@... <mailto:ec1ct%40esbesaya.com>
KR DX Group

From: Jay Terleski
Sent: Tuesday, September 13, 2011 2:18 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 200A Failure (T/R relay)

Drew,

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214 954 7140

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Comprobada por AVG - www.avg.es
Versión: 10.0.1392 / Base de datos de virus: 1520/3894 - Fecha de la
versión: 13/09/2011

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4346. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 14:14:28 UTC
From: Paul Christensen
Topic: 4340 Message: 4346

> "MAXGAIN is the best place for replacements.Ill second Jay's
recommendation.. Alan carries new ones and used ones. I'd pop for a
new one. Easy to swap out.."

If I were into contesting, I would keep a new spare GH-1 ready in the parts bin. Despite some early vacuum relay failures, I would resist replacement with the newer wave of high-performance frame relays, (e.g., Tyco/Shrak RTB14012) even though many are now specified to operate at more than 10 million operations, are dirt cheap, and otherwise offer good HF performance.

Paul, W9AC

[Non-text portions of this message have been removed]

4347. Re: ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 14:18:55 UTC
From: n1zj
Topic: 4335 Message: 4347

On Sep 13, 2011, at 7:05 AM, acom-list@yahoogroups.com wrote:

> The Acom site currently seems to have no contact info, in fact, no content at all other than the root page and 1010 link.

The ACOM USA site, "http://www.hfpower.com/", seems to work OK and has current contact info.

John, N1ZJ

[Non-text portions of this message have been removed]

4348. Re: [acom-list] ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 14:39:38 UTC
From: k2qmf@juno.com
Topic: 4335 Message: 4348

Drew,

Most likely the Vacuum Relay..

73,
Ted K2QMF

On Mon, 12 Sep 2011 23:43:26 -0000 "NatureDude" <naturedudeks@...>
writes:
> My amp is intermittently reporting "Relay closed should be open"
> failures in receive mode. I can sometimes hear the TR relay
> chattering.
>
> I've sent an email to Will based on an email address I found with no
> response. The Acom site currently seems to have no contact info, in
> fact, no content at all other than the root page and 1010 link.
>
> I am concerned that it isn't easier to reach someone. What is the
> correct method to obtain support?
>
> 73,
> Drew K3PA
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> Yahoo! Groups Links
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4349. Re: age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 15:45:13 UTC
From: pa3hgt
Topic: 4337 Message: 4349

Hans & Kees,

I can't find the separate numbers on the tube but i send Kees de pictures.

Thanks anyway !

Hans

--- In acom-list@yahoogroups.com, "pa3hgt" <pa3hgt@...> wrote:
>
> hello all,
>
> How can i determine the age of a GU74b ?
>
> I can't find any info ...yet...
>
> Hans,PA3HGT
>

4350. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 15:55:13 UTC
From: Fernando EC1CT
Topic: 4340 Message: 4350

Hi Brian,
No...I don´t do qsk (forgot to mention) and hardly ever do a contest (a matter of time). 73 and thanks for the input...
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Brian Alsop
Sent: Tuesday, September 13, 2011 3:36 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 200A Failure (T/R relay)

Fernando,

Relays have a finite number of operations they are rated for.
If you're doing QSK CW consider the following:

25 contests with 1000 QSO's adds up to >1,000,000 operations.

HC-1 relays are rated for 2 million operations.

73 de Brian/K3KO

The amp is
> working great since then but I´m trying to find out why the relay failed
> as I dont think anything related to a hot switching. Ideas are welcome..
> Best 73!
> Fernando EC1CT // KD0IGJ

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1392 / Virus Database: 1520/3892 - Release Date: 09/12/11

Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1392 / Base de datos de virus: 1520/3894 - Fecha de la versión: 13/09/2011

[Non-text portions of this message have been removed]

4351. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 16:25:20 UTC
From: W5OV@w5ov.com
Topic: 4340 Message: 4351

What kind of transceiver do you use with the amplifier? Have you used
different ones in the past? What were they?

> Hi Brian,
> No...I don?t do qsk (forgot to mention) and hardly ever do a contest (a
> matter of time). 73 and thanks for the input...
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>
> From: Brian Alsop
> Sent: Tuesday, September 13, 2011 3:36 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM 200A Failure (T/R relay)
>
>
>
> Fernando,
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> Relays have a finite number of operations they are rated for.
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> 25 contests with 1000 QSO's adds up to >1,000,000 operations.
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> HC-1 relays are rated for 2 million operations.
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> 73 de Brian/K3KO
>
> The amp is
>> working great since then but I?m trying to find out why the relay failed
>> as I dont think anything related to a hot switching. Ideas are welcome..
>> Best 73!
>> Fernando EC1CT // KD0IGJ
>
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> versi?n: 13/09/2011
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4352. Help - Arc Fault error

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 16:58:34 UTC
From: Mark Mumaw
Topic: 4340 Message: 4352

I keep getting Arc Fault errors with my Acom 2000A. I had always thought it was from spikes from the exciter but I am getting them from a rig that is only capable of 20 Watts PEP output. It faults even with a max output of 800 watts into several different antennas.

Several months ago, I had one tube developed gird to screen leakage which I replaced with a new tube. The original tubes only had 100-200 hours of use.

Any ideas???

Thanks...Mark NU6X Sedona, AZ

4353. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 17:10:42 UTC
From: Hal Kennedy
Topic: 4340 Message: 4353

While we are kicking around the T/R relay issues - the important points for a swap out are:

1. Keep the heat to a minimum on the pins (already mentioned)
2. Do not over-tighten the retaining nut. The nut is a special part, as is the lock-washer than goes with it. If you get a 'new' relay that does not have a nut and washer use the ones off your old relay. Tighter than finger tight, but not a whole lot more... The spec sheet probably has a torque rating..

73
Hal N4GG

[Non-text portions of this message have been removed]

4354. Re: [acom-list] Help - Arc Fault error

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 17:13:37 UTC
From: neil.king@telus.net
Topic: 4340 Message: 4354

Arc faults are most often caused by problems in the antenna or feedlines. I'd start there.
Neil
JT1RF / VA7DX
Sent on the TELUS Mobility network with BlackBerry

-----Original Message-----
From: Mark Mumaw <nu6x@...>
Sender: acom-list@yahoogroups.com
Date: Tue, 13 Sep 2011 09:58:34
To: <acom-list@yahoogroups.com>
Reply-To: acom-list@yahoogroups.com
Subject: [acom-list] Help - Arc Fault error

I keep getting Arc Fault errors with my Acom 2000A. I had always
thought it was from spikes from the exciter but I am getting them from a
rig that is only capable of 20 Watts PEP output. It faults even with a
max output of 800 watts into several different antennas.

Several months ago, I had one tube developed gird to screen leakage
which I replaced with a new tube. The original tubes only had 100-200
hours of use.

Any ideas???

Thanks...Mark NU6X Sedona, AZ

[Non-text portions of this message have been removed]

4355. RE: [acom-list] Help - Arc Fault error

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 17:17:40 UTC
From: Ron Castro
Topic: 4340 Message: 4355

Mark:

A few months ago when I started having the same problem, I examined the circuit that causes an Arc Fault error to trigger and found that low frequency energy is what makes it trigger. Some early 'fixes' found on the internet included changing a capacitor in the circuit to make it less sensitive, and installing a high-pass filter between the exciter and the amplifier, especially when using radios with a history of low frequency "thumps" like the Ten Tec Orions. In my case, an ICE broadcast band filter fixed the problem. I had one in for a long time, but took it out for a while and found that during CW or RTTY contests the problem returned. Replacing it cured the problem.

Assuming there is no actual arcing in your amplifier, antenna or transmission line, including any lightning protector you might be using, low frequency emissions from the exciter is most likely the problem.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mark Mumaw
Sent: Tuesday, September 13, 2011 9:59 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Help - Arc Fault error

I keep getting Arc Fault errors with my Acom 2000A. I had always thought it was from spikes from the exciter but I am getting them from a rig that is only capable of 20 Watts PEP output. It faults even with a max output of 800 watts into several different antennas.

Several months ago, I had one tube developed gird to screen leakage which I replaced with a new tube. The original tubes only had 100-200 hours of use.

Any ideas???

Thanks...Mark NU6X Sedona, AZ

Yahoo! Groups Links

4356. Re: [acom-list] ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 18:02:06 UTC
From: Fernando EC1CT
Topic: 4340 Message: 4356

Been using a FT1000MP MKV field feeding the ACOM for the last 5 years...Before the ACOM I had a Drake L7 (still using). Never had a problem with the Drake in many years...The Acom is keying directly from the radio. I mean I don´t have any buffer relay between them....The Acom is 2 years old and it has about 4000 hours. I´m also owning a MicroKeyer and I know it has a relay inside to feed amplifiers. It can be configurate in miliseconds for a bigger delay. That would prevent hot switchings. I´m still dealing with the MicroKeyer´s manual...I have already connected the wires but the setup menu is getting me crazy. 73 and thanks for the ideas
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: W5OV@...
Sent: Tuesday, September 13, 2011 6:25 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 200A Failure (T/R relay)

What kind of transceiver do you use with the amplifier? Have you used
different ones in the past? What were they?

> Hi Brian,
> No...I don´t do qsk (forgot to mention) and hardly ever do a contest (a
> matter of time). 73 and thanks for the input...
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>
> From: Brian Alsop
> Sent: Tuesday, September 13, 2011 3:36 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM 200A Failure (T/R relay)
>
>
>
> Fernando,
>
> Relays have a finite number of operations they are rated for.
> If you're doing QSK CW consider the following:
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> 25 contests with 1000 QSO's adds up to >1,000,000 operations.
>
> HC-1 relays are rated for 2 million operations.
>
> 73 de Brian/K3KO
>

> The amp is
>> working great since then but I´m trying to find out why the relay failed
>> as I dont think anything related to a hot switching. Ideas are welcome..
>> Best 73!
>> Fernando EC1CT // KD0IGJ
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1392 / Virus Database: 1520/3892 - Release Date: 09/12/11
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> Se certificó que el correo no contiene virus.
> Comprobada por AVG - www.avg.es
> Versión: 10.0.1392 / Base de datos de virus: 1520/3894 - Fecha de la
> versión: 13/09/2011
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> [Non-text portions of this message have been removed]
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Se certificó que el correo no contiene virus.
Comprobada por AVG - www.avg.es
Versión: 10.0.1392 / Base de datos de virus: 1520/3894 - Fecha de la versión: 13/09/2011

[Non-text portions of this message have been removed]

4357. RE: [acom-list] Help - Arc Fault error

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 18:21:20 UTC
From: Don Lewis
Topic: 4340 Message: 4357

Mark - my Arc Fault errors were caused by water inside my lightning arrestor (MFJ-272) located in-line with my coax outside the shack. It took a while to find the culprit because my Ameritron AL-80 amp worked fine on the same coax and my antenna analyzer (MFJ259) gave SWR readings that were OK. I agree with Neil. I would check first for feedline connector problems with moisture, especially if the antenna appears OK.

Don, KI4D

Alexandria, VA

From: neil.king@... [mailto:neil.king@...]
Sent: Tuesday, September 13, 2011 1:14 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Help - Arc Fault error

Arc faults are most often caused by problems in the antenna or feedlines. I'd start there.
Neil
JT1RF / VA7DX
Sent on the TELUS Mobility network with BlackBerry

-----Original Message-----
From: Mark Mumaw <nu6x@... <mailto:nu6x%40esedona.net> >
Sender: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Date: Tue, 13 Sep 2011 09:58:34
To: <acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> >
Reply-To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Help - Arc Fault error

I keep getting Arc Fault errors with my Acom 2000A. I had always thought it was from spikes from the exciter but I am getting them from a rig that is only capable of 20 Watts PEP output. It faults even with a max output of 800 watts into several different antennas.

Several months ago, I had one tube developed gird to screen leakage which I replaced with a new tube. The original tubes only had 100-200 hours of use.

Any ideas???

Thanks...Mark NU6X Sedona, AZ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4358. RE: [acom-list] Help - Arc Fault error

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 18:34:51 UTC
From: George Steube
Topic: 4340 Message: 4358

Mark,
I have gotten that error on a occasion. The manual seems to imply that is problem on the antenna side of the amp. The last time I got the error on the low end of 40M where my SWR is about 2.8:1 I check all my connectors in the shack and hand tightened one or two that were loose and I haven't seen the problem again. Once I got the problem and the "Proc" light was on, but the amp had not even tripped off and continued to work. I reset the amp and continued on with the QSO. Check your connections, switches and tuner to see if anything may have arced or if lightning has gotten your system.
Good luck.
73,
George
W2GS
-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]On Behalf Of Mark Mumaw
Sent: Tuesday, September 13, 2011 11:59 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Help - Arc Fault error

I keep getting Arc Fault errors with my Acom 2000A. I had always thought it was from spikes from the exciter but I am getting them from a rig that is only capable of 20 Watts PEP output. It faults even with a max output of 800 watts into several different antennas.

Several months ago, I had one tube developed gird to screen leakage which I replaced with a new tube. The original tubes only had 100-200 hours of use.

Any ideas???

Thanks...Mark NU6X Sedona, AZ

[Non-text portions of this message have been removed]

4359. RE: [acom-list] Re: age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 18:41:14 UTC
From: Kees - pa7two
Topic: 4337 Message: 4359

Hi Hans,

I just now now replied to you. Email me if you have more questions.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: pa3hgt@...
Date: Tue, 13 Sep 2011 15:45:13 +0000
Subject: [acom-list] Re: age GU74b

Hans & Kees,

I can't find the separate numbers on the tube but i send Kees de pictures.

Thanks anyway !

Hans

--- In acom-list@yahoogroups.com, "pa3hgt" <pa3hgt@...> wrote:

>

> hello all,

>

> How can i determine the age of a GU74b ?

>

> I can't find any info ...yet...

>

> Hans,PA3HGT

>

[Non-text portions of this message have been removed]

4360. Re: [acom-list] ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 19:11:13 UTC
From: IVAN
Topic: 4335 Message: 4360

Is produced for an antena, mine go very good with all antennas but on of
then produces this problem.
After disconect lineal and dischargue all, I reset and insert a home RF
CHOKE "BETWIN" antenna out and antenna switch,I have not more this
problem and lineal is working OK mine is one of th first year 2000/2001
(Choke 23,5 turns RG 58 in a 110 mm pipe)
73´s Ivan EA8YG

El 13/09/2011 15:39, k2qmf@... escribió:
>
> Drew,
>
> Most likely the Vacuum Relay..
>
> 73,
> Ted K2QMF
>
> On Mon, 12 Sep 2011 23:43:26 -0000 "NatureDude"
> <naturedudeks@... <mailto:naturedudeks%40yahoo.com>>
> writes:
> > My amp is intermittently reporting "Relay closed should be open"
> > failures in receive mode. I can sometimes hear the TR relay
> > chattering.
> >
> > I've sent an email to Will based on an email address I found with no
> > response. The Acom site currently seems to have no contact info, in
> > fact, no content at all other than the root page and 1010 link.
> >
> > I am concerned that it isn't easier to reach someone. What is the
> > correct method to obtain support?
> >
> > 73,
> > Drew K3PA
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[Non-text portions of this message have been removed]

4361. Re: [acom-list] ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 19:17:37 UTC
From: Mack McCormick
Topic: 4335 Message: 4361

I'd like to piggy back on this thread and get your thoughts on why my Acom 2000A Arc Faults only when I take my Flex 5000A transceiver *OUT *of tune. That is in about 2 out of 20 times, if the amp is in operate, and I press TUNE, then it will ARC fault when I exit TUNE. Tune power (exciter) is 10W. It never ARC faults otherwise.

Yes, I know I should try it with another rig but haven't done so yet. I'm most interested if anyone else has seen this behavior or knows of a fix.

Your thoughts gratefully appreciated.

73,

Mack
W4AX

On Tue, Sep 13, 2011 at 3:11 PM, IVAN <ea8yg@...> wrote:

> **
>
>
> Is produced for an antena, mine go very good with all antennas but on of
> then produces this problem.
> After disconect lineal and dischargue all, I reset and insert a home RF
> CHOKE "BETWIN" antenna out and antenna switch,I have not more this
> problem and lineal is working OK mine is one of th first year 2000/2001
> (Choke 23,5 turns RG 58 in a 110 mm pipe)
> 73?s Ivan EA8YG
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> El 13/09/2011 15:39, k2qmf@... escribi?:
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> > Most likely the Vacuum Relay..
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> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

--
73,

Mack de W4AX
http://w4ax.com

[Non-text portions of this message have been removed]

4362. RE: [acom-list] ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 19:40:15 UTC
From: Ron Castro
Topic: 4335 Message: 4362

This sounds similar to the low frequency "thump" problem the Ten Tec Orion transceivers have with the 2000A, which tended to happen on 'key up' following a 'key down' during CW or RTTY. I put an ICE 402X BCB filter between the radio and the amplifier and that seemed to fix the problem.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mack McCormick
Sent: Tuesday, September 13, 2011 12:18 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A Failure

I'd like to piggy back on this thread and get your thoughts on why my Acom 2000A Arc Faults only when I take my Flex 5000A transceiver *OUT *of tune. That is in about 2 out of 20 times, if the amp is in operate, and I press TUNE, then it will ARC fault when I exit TUNE. Tune power (exciter) is 10W. It never ARC faults otherwise.

Yes, I know I should try it with another rig but haven't done so yet. I'm most interested if anyone else has seen this behavior or knows of a fix.

Your thoughts gratefully appreciated.

73,

Mack
W4AX

On Tue, Sep 13, 2011 at 3:11 PM, IVAN <ea8yg@...> wrote:

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> Is produced for an antena, mine go very good with all antennas but on
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> After disconect lineal and dischargue all, I reset and insert a home
> RF CHOKE "BETWIN" antenna out and antenna switch,I have not more this
> problem and lineal is working OK mine is one of th first year
> 2000/2001 (Choke 23,5 turns RG 58 in a 110 mm pipe) 73´s Ivan EA8YG
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> El 13/09/2011 15:39, k2qmf@... escribió:
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> > Drew,
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> > Most likely the Vacuum Relay..
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> > 73,
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> > On Mon, 12 Sep 2011 23:43:26 -0000 "NatureDude"
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> > > I've sent an email to Will based on an email address I found with
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> > Penny Stock Jumping 3000%
> > Sign up to the #1 voted penny stock newsletter for free today!
> > http://thirdpartyoffers.juno.com/TGL3141/4e6f6b70c79d246ab79st02vuc
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

--
73,

Mack de W4AX
http://w4ax.com

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4363. Re: age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 19:41:12 UTC
From: pa3hgt
Topic: 4337   Message: 4363

Ok Kees,

I replied to your email with some qeustions.
Thanks anyway ;)

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Hans,
>
> I just now now replied to you. Email me if you have more questions.
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
> To: acom-list@yahoogroups.com
> From: pa3hgt@...
> Date: Tue, 13 Sep 2011 15:45:13 +0000
> Subject: [acom-list] Re: age GU74b
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>
> Hans & Kees,
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>
> I can't find the separate numbers on the tube but i send Kees de pictures.
>
>
>
> Thanks anyway !
>
>
>
> Hans
>
>
>
> --- In acom-list@yahoogroups.com, "pa3hgt" <pa3hgt@> wrote:
>
> >
>
> > hello all,
>
> >
>
> > How can i determine the age of a GU74b ?
>
> >
>
> > I can't find any info ...yet...
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> >
>
> > Hans,PA3HGT
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> [Non-text portions of this message have been removed]
>

4364. RE: [acom-list] Re: age GU74b

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-13 19:47:46 UTC
From: Kees - pa7two
Topic: 4337 Message: 4364

U r welcome Hans!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: pa3hgt@...
Date: Tue, 13 Sep 2011 19:41:12 +0000
Subject: [acom-list] Re: age GU74b

Ok Kees,

I replied to your email with some qeustions.

Thanks anyway ;)

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Hi Hans,

>

> I just now now replied to you. Email me if you have more questions.

>

>

> Vy 73, de Kees.

>

> AmateurRadio : PA7TWO

> - M5TWO Locator: JO22jp.

>

> To: acom-list@yahoogroups.com

> From: pa3hgt@...

> Date: Tue, 13 Sep 2011 15:45:13 +0000

> Subject: [acom-list] Re: age GU74b

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> Hans & Kees,

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> I can't find the separate numbers on the tube but i send Kees de pictures.

>

>

>

> Thanks anyway !

>

>

>

> Hans

>

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>

> --- In acom-list@yahoogroups.com, "pa3hgt" <pa3hgt@> wrote:

>

> > >

>

> > > hello all,

>

> > >

>

> > > How can i determine the age of a GU74b ?

>

> > >

>

> > > I can't find any info ...yet...

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> > Hans,PA3HGT

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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4365. Re: [acom-list] ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-14 03:06:47 UTC
From: Mel Whitten
Topic: 4335 Message: 4365

Have not experienced a fault as you mentioned when taking
the 5000A "out" of tune.
The ACOM here works fine with 1500, 3000 and 5000A.

Mel, K0PFX

----- Original Message -----
From: "Mack McCormick" <w4ax.mack@...>
To: <acom-list@yahoogroups.com>
Sent: Tuesday, September 13, 2011 2:17 PM
Subject: Re: [acom-list] ACOM 2000A Failure

I'd like to piggy back on this thread and get your thoughts on why my Acom
2000A Arc Faults only when I take my Flex 5000A transceiver *OUT *of tune.
That is in about 2 out of 20 times, if the amp is in operate, and I press
TUNE, then it will ARC fault when I exit TUNE. Tune power (exciter) is 10W.
It never ARC faults otherwise.

Yes, I know I should try it with another rig but haven't done so yet. I'm
most interested if anyone else has seen this behavior or knows of a fix.

Your thoughts gratefully appreciated.

73,

Mack
W4AX

On Tue, Sep 13, 2011 at 3:11 PM, IVAN <ea8yg@...> wrote:

> **
>
>
> Is produced for an antena, mine go very good with all antennas but on of
> then produces this problem.
> After disconect lineal and dischargue all, I reset and insert a home RF
> CHOKE "BETWIN" antenna out and antenna switch,I have not more this
> problem and lineal is working OK mine is one of th first year 2000/2001
> (Choke 23,5 turns RG 58 in a 110 mm pipe)
> 73?s Ivan EA8YG
>
> El 13/09/2011 15:39, k2qmf@... escribi?:
> >
> > Drew,
> >
> > Most likely the Vacuum Relay..
> >

> > 73,
> > Ted K2QMF
> >
> > On Mon, 12 Sep 2011 23:43:26 -0000 "NatureDude"
> > <naturedudeks@... <mailto:naturedudeks%40yahoo.com>>
> > writes:
> > > My amp is intermittently reporting "Relay closed should be open"
> > > failures in receive mode. I can sometimes hear the TR relay
> > > chattering.
> > >
> > > I've sent an email to Will based on an email address I found with no
> > > response. The Acom site currently seems to have no contact info, in
> > > fact, no content at all other than the root page and 1010 link.
> > >
> > > I am concerned that it isn't easier to reach someone. What is the
> > > correct method to obtain support?
> > >
> > > 73,
> > > Drew K3PA
> > >
> > >
> > >
> > >
> > > ------------------------------------
> > >
> > > Yahoo! Groups Links
> > >
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> > > ____
> > Penny Stock Jumping 3000%
> > Sign up to the #1 voted penny stock newsletter for free today!
> > http://thirdpartyoffers.juno.com/TGL3141/4e6f6b70c79d246ab79st02vuc
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>

--
73,

Mack de W4AX
http://w4ax.com

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4366. Re: ACOM 200A Failure (T/R relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-14 11:32:01 UTC
From: NatureDude
Topic: 4340 Message: 4366

Thanks! What coil voltage is used? 26V or 12V?

--- In acom-list@yahoogroups.com, Jay Terleski <jayt@...> wrote:
>
> Drew,
>
> ACOM applies a 1.8VDC on the TR relay through an RF choke. It is used to
> sense which position the TR relay is in.
> Check your schematics. The voltage is sent to the Processor board. It is
> highly likely you need to just change out the TR relay. HC-1 is a good
> choice. and you can get new ones from Allen Bond at Max Gain Systems, best
> prices I have found.
>
> Jay
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
>
> [Non-text portions of this message have been removed]
>

4367. T/R realy

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-15 11:51:14 UTC
From: Jay Terleski
Topic: 4367 Message: 4367

26V coils are used on the vacuum relays.
Jay
--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

4368. Re: ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-17 14:55:34 UTC
From: NatureDude
Topic: 4335 Message: 4368

Thanks John,

Where are you seeing the contact info? I see a root page with just pics, and the only live link is from the pics to A1010 info.

73,
Drew K3PA

--- In acom-list@yahoogroups.com, n1zj <n1zj@...> wrote:
>
> On Sep 13, 2011, at 7:05 AM, acom-list@yahoogroups.com wrote:
>
> > The Acom site currently seems to have no contact info, in fact, no content at all other than the root page and 1010 link.
>
> The ACOM USA site, "http://www.hfpower.com/", seems to work OK and has current contact info.
>
> John, N1ZJ
>
>
>
> [Non-text portions of this message have been removed]
>

4369. Re: [acom-list] Re: ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-17 15:05:25 UTC
From: Joel Kornreich
Topic: 4335 Message: 4369

Person looking for a solution to a Acom Amplifier problem.....May I make a suggestion that you call up ARRAY SOLUTIONS in Texas for ALL Acom Amplifier repairs and problems. They are fast, direct and nicely priced. Above all, ARRAY SOLUTIONS indeed know the amplifier. Ask for BOB.....
Joel, K2QBV

On Sat, Sep 17, 2011 at 10:55 AM, NatureDude <naturedudeks@yahoo.com> wrote:

> **
>
>
> Thanks John,
>
> Where are you seeing the contact info? I see a root page with just pics,
> and the only live link is from the pics to A1010 info.
>
> 73,
> Drew K3PA
>
> --- In acom-list@...m, n1zj <n1zj@...> wrote:
> >
> > On Sep 13, 2011, at 7:05 AM, acom-list@yahoogroups.com wrote:
> >
> > > The Acom site currently seems to have no contact info, in fact, no
> content at all other than the root page and 1010 link.
> >
> > The ACOM USA site, "http://www.hfpower.com/", seems to work OK and has
> current contact info.
> >
> > John, N1ZJ
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
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>

[Non-text portions of this message have been removed]

4370. Re: ACOM 2000A Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-21 00:39:41 UTC
From: NatureDude
Topic: 4335 Message: 4370

John,

Thanks for the nudge. Sure enough, their site is not compatible with IE9. Went into compatibility mode and pop, there they are.

I had Will's email correct, but he isn't answering. But, Jay at Array Solutions was very helpful.

73,
Drew K3PA

--- In acom-list@yahoogroups.com, n1zj <n1zj@...> wrote:
>
> On Sep 13, 2011, at 7:05 AM, acom-list@yahoogroups.com wrote:
>
> > The Acom site currently seems to have no contact info, in fact, no content at all other than the root page and 1010 link.
>
> The ACOM USA site, "http://www.hfpower.com/", seems to work OK and has current contact info.
>
> John, N1ZJ
>
>
>
> [Non-text portions of this message have been removed]
>

4371. Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-25 21:11:08 UTC
From: Thomas Lutz
Topic: 4371 Message: 4371

I just purchased a new Acom 1000. The Firmware is shown to be V4.2, Oct
□09. Is there a newer version available? If so, how can it be updated?
There is no way to hook up a computer unless it is internal.

Tom, W0ZR

[Non-text portions of this message have been removed]

4372. Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 03:43:52 UTC
From: Andrey
Topic: 4371 Message: 4372

The firmware is programmed on a "classic" EPROM - 27C512 chip. The only way to upgrade it is to get the HEX/BIN file for a newer version from ACOM, erase the original chip with UV light (or just get a blank chip) and use an EPROM programmer to write the file. The firmware IC is socketed on the control board behind the front panel.
The ACOM 1000 MCU is not designed around a modern PIC with user-friendly means of flashing the firmware via USB or serial port. Updates (when really needed) are normally done by their service facilities.

Hope this helps!

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Thomas Lutz <telutz@...> wrote:
>
> I just purchased a new Acom 1000. The Firmware is shown to be V4.2, Oct
> □09. Is there a newer version available? If so, how can it be updated?
> There is no way to hook up a computer unless it is internal.
>
> Tom, W0ZR
>
>
> [Non-text portions of this message have been removed]
>

4373. ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 10:19:27 UTC
From: tomi.j.kallio@kolumbus.fi
Topic: 4373 Message: 4373

Hi all
I monitored tube temps during CQ WW RTTY contest.
My output power was 800W and temp's raised to 90C when I was running.

I have extra fan installed (12V) but it never started to spin.
I connected fan into extra 12V power supply and let it spin on half speed.
Temps decreased to 70C, is there design flaw in this amp or are those temps normal?

It would be better if extra fan speed depends on tube temp.

-Tomi OH2BBT

4374. AW: [acom-list] ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 10:46:27 UTC
From: Markus Schleutermann
Topic: 4373 Message: 4374

Hello Tomi

Check your fan installation, on my amp the external fan spins as soon the amp is powered up and ready for operation. When temperature exceeds 80 degrees, the external fan begins to turn much faster, you will hear the noise of the fans. After a short time the temperature cools down and the fans are spinning slower again. Check your external fan for the correct spinning direction, it should act as a blower and not as a sucker!

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von tomi.j.kallio@...
Gesendet: Montag, 26. September 2011 12:19
An: acom-list@yahoogroups.com
Betreff: [acom-list] ACOM 2000 tube temperatures on RTTY contest

Hi all
I monitored tube temps during CQ WW RTTY contest.
My output power was 800W and temp's raised to 90C when I was running.

I have extra fan installed (12V) but it never started to spin.
I connected fan into extra 12V power supply and let it spin on half speed.
Temps decreased to 70C, is there design flaw in this amp or are those temps normal?

It would be better if extra fan speed depends on tube temp.

-Tomi OH2BBT

[Non-text portions of this message have been removed]

4375. Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 10:54:57 UTC
From: tomi.j.kallio@kolumbus.fi
Topic: 4373 Message: 4375

Thanks Mark.

Perhaps I have something wrong with the wirings inside the amp.
Fan is ok because it works when I take 12V from my power supply.
Still I wonder are my temp readings ok for 800W.

-Tomi OH2BBT

--- In acom-list@yahoogroups.com, "Markus Schleutermann" <hb9azt@...> wrote:
>
> Hello Tomi
>
> Check your fan installation, on my amp the external fan spins as soon the amp is powered up and ready for operation. When temperature exceeds 80 degrees, the external fan begins to turn much faster, you will hear the noise of the fans. After a short time the temperature cools down and the fans are spinning slower again. Check your external fan for the correct spinning direction, it should act as a blower and not as a sucker!
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von tomi.j.kallio@...
> Gesendet: Montag, 26. September 2011 12:19
> An: acom-list@yahoogroups.com
> Betreff: [acom-list] ACOM 2000 tube temperatures on RTTY contest
>
>
>
> Hi all
> I monitored tube temps during CQ WW RTTY contest.
> My output power was 800W and temp's raised to 90C when I was running.
>
> I have extra fan installed (12V) but it never started to spin.
> I connected fan into extra 12V power supply and let it spin on half speed.
> Temps decreased to 70C, is there design flaw in this amp or are those temps normal?
>
> It would be better if extra fan speed depends on tube temp.
>
> -Tomi OH2BBT
>
>
>
> [Non-text portions of this message have been removed]
>

4376. AW: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 11:26:22 UTC
From: Markus Schleutermann
Topic: 4373 Message: 4376

Hello Tomi

I think the temps are ok, it's always a little depending on the environmental temperature, but I have more or less the same readings.

btw: remoterig in sweden will offer a perfect web-control for the acom2000 soon, the beta is under test and working very stable and flawlessy. You can even do an auto tuning process and switching the antenna, reading the amp parameters. the switch has a power and swr-display and shows the led's of the remote-control.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von tomi.j.kallio@...
Gesendet: Montag, 26. September 2011 12:55
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Thanks Mark.

Perhaps I have something wrong with the wirings inside the amp.
Fan is ok because it works when I take 12V from my power supply.
Still I wonder are my temp readings ok for 800W.

-Tomi OH2BBT

--- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>, "Markus Schleutermann" <hb9azt@...> wrote:
>
> Hello Tomi
>
> Check your fan installation, on my amp the external fan spins as soon the amp is powered up and ready for operation. When temperature exceeds 80 degrees, the external fan begins to turn much faster, you will hear the noise of the fans. After a short time the temperature cools down and the fans are spinning slower again. Check your external fan for the correct spinning direction, it should act as a blower and not as a sucker!
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] Im Auftrag von tomi.j.kallio@...
> Gesendet: Montag, 26. September 2011 12:19
> An: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> Betreff: [acom-list] ACOM 2000 tube temperatures on RTTY contest
>
>

>
> Hi all
> I monitored tube temps during CQ WW RTTY contest.
> My output power was 800W and temp's raised to 90C when I was running.
>
> I have extra fan installed (12V) but it never started to spin.
> I connected fan into extra 12V power supply and let it spin on half speed.
> Temps decreased to 70C, is there design flaw in this amp or are those temps normal?
>
> It would be better if extra fan speed depends on tube temp.
>
> -Tomi OH2BBT
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4377. RE: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 11:57:04 UTC
From: Bob Naumann
Topic: 4371 Message: 4377

What problem are you looking to resolve with your 1000 through a change of firmware?

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Andrey
Sent: Sunday, September 25, 2011 10:44 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 Firmware

The firmware is programmed on a "classic" EPROM - 27C512 chip. The only way to upgrade it is to get the HEX/BIN file for a newer version from ACOM, erase the original chip with UV light (or just get a blank chip) and use an EPROM programmer to write the file. The firmware IC is socketed on the control board behind the front panel.
The ACOM 1000 MCU is not designed around a modern PIC with user-friendly means of flashing the firmware via USB or serial port. Updates (when really needed) are normally done by their service facilities.

Hope this helps!

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Thomas Lutz <telutz@...> wrote:
>
> I just purchased a new Acom 1000. The Firmware is shown to be V4.2, Oct
> Œ09. Is there a newer version available? If so, how can it be updated?
> There is no way to hook up a computer unless it is internal.
>
> Tom, W0ZR
>
>
> [Non-text portions of this message have been removed]
>

Yahoo! Groups Links

4378. Re: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 11:58:52 UTC
From: Fulvio
Topic: 4373 Message: 4378

Hello Mark,

very interesting thread,
sorry to be off-topic .. but would you kindly explain more in details about
your remote rig ?
Are you talking about Acom director ?
Regarding the supplemental fun, i discovered that my Acom 2000A is equipped
with it, but it has never turned it on.
Are we sure that exceeding the 80 degrees the fun will be operational ? I
will try to "force" that limit and see if my fan will begin spinning ;-)

Thanks.

Best 73 de HB9DHG Fulvio
http://www.hb9dhg.ch

On Mon, Sep 26, 2011 at 1:26 PM, Markus Schleutermann <hb9azt@...>wrote:

> **
>
>
> Hello Tomi
>
> I think the temps are ok, it's always a little depending on the
> environmental temperature, but I have more or less the same readings.
>
> btw: remoterig in sweden will offer a perfect web-control for the acom2000
> soon, the beta is under test and working very stable and flawlessy. You can
> even do an auto tuning process and switching the antenna, reading the amp
> parameters. the switch has a power and swr-display and shows the led's of
> the remote-control.
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im
> Auftrag von tomi.j.kallio@...
> Gesendet: Montag, 26. September 2011 12:55
> An: acom-list@...m
> Betreff: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest
>
> Thanks Mark.
>
> Perhaps I have something wrong with the wirings inside the amp.
> Fan is ok because it works when I take 12V from my power supply.
> Still I wonder are my temp readings ok for 800W.
>

> -Tomi OH2BBT
>
> --- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>,
> "Markus Schleutermann" <hb9azt@...> wrote:
> >
> > Hello Tomi
> >
> > Check your fan installation, on my amp the external fan spins as soon the
> amp is powered up and ready for operation. When temperature exceeds 80
> degrees, the external fan begins to turn much faster, you will hear the
> noise of the fans. After a short time the temperature cools down and the
> fans are spinning slower again. Check your external fan for the correct
> spinning direction, it should act as a blower and not as a sucker!
> >
> > 73 de Mark, HB9AZT
> >
> > Von: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] Im
> Auftrag von tomi.j.kallio@...
> > Gesendet: Montag, 26. September 2011 12:19
> > An: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > Betreff: [acom-list] ACOM 2000 tube temperatures on RTTY contest
> >
> >
> >
> > Hi all
> > I monitored tube temps during CQ WW RTTY contest.
> > My output power was 800W and temp's raised to 90C when I was running.
> >
> > I have extra fan installed (12V) but it never started to spin.
> > I connected fan into extra 12V power supply and let it spin on half
> speed.
> > Temps decreased to 70C, is there design flaw in this amp or are those
> temps normal?
> >
> > It would be better if extra fan speed depends on tube temp.
> >
> > -Tomi OH2BBT
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

4379. AW: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 12:46:26 UTC
From: Markus Schleutermann
Topic: 4373 Message: 4379

Hello Fulvio

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73 de Mark, HB9AZT

-----Ursprüngliche Nachricht-----
Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von Fulvio
Gesendet: Montag, 26. September 2011 13:59
An: acom-list@yahoogroups.com
Betreff: Re: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Hello Mark,

very interesting thread,
sorry to be off-topic .. but would you kindly explain more in details about
your remote rig ?
Are you talking about Acom director ?
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with it, but it has never turned it on.
Are we sure that exceeding the 80 degrees the fun will be operational ? I
will try to "force" that limit and see if my fan will begin spinning ;-)

Thanks.

Best 73 de HB9DHG Fulvio
http://www.hb9dhg.ch

On Mon, Sep 26, 2011 at 1:26 PM, Markus Schleutermann <hb9azt@bluewin.ch>wrote:

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> environmental temperature, but I have more or less the same readings.
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Yahoo! Groups Links

4380. Acom 1000 - hot switching

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 13:35:26 UTC
From: Stein Roar Brobakken
Topic: 4380 Message: 4380

Hi

During a few contests I experience this alarm "Hot Switching" due enable the PTT of the Acom 1000 wired from PTT of my microham keyer box.

I tried to change the delay time etc. to prevent there is power out to PA before relay switches?

Anyone have idea?

It can also be RF from other Transmitter in Multi operation, but it also happens when no other TX are transmitting.

73 LA6FJA Rag

[Non-text portions of this message have been removed]

4381. RE: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 14:07:23 UTC
From: James Thresher
Topic: 4373 Message: 4381

Hi Markus,

Do you know if MicroBit made use of the ACOM Director source code I sent you in the end? It sounds like quite a nice solution they are developing.
Especially as it□s a hardware interface.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Markus Schleutermann
Sent: 26 September 2011 13:46
To: acom-list@yahoogroups.com
Subject: AW: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

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Yahoo! Groups Links

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4382. AW: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 14:36:47 UTC
From: Markus Schleutermann
Topic: 4373 Message: 4382

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Hi Markus,

That is the problem with PC based solutions, Even if the software you□re running is 100% bug free (which of course it never is) there are still so many other things that can cause the PC to crash that you can never really reach the same level of stability as firmware running on a micro.

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<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>]
Im
Auftrag von Fulvio
Gesendet: Montag, 26. September 2011 13:59
An: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>

Betreff: Re: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Hello Mark,

very interesting thread,
sorry to be off-topic .. but would you kindly explain more in details about
your remote rig ?
Are you talking about Acom director ?
Regarding the supplemental fun, i discovered that my Acom 2000A is equipped
with it, but it has never turned it on.
Are we sure that exceeding the 80 degrees the fun will be operational ? I
will try to "force" that limit and see if my fan will begin spinning ;-)

Thanks.

Best 73 de HB9DHG Fulvio
http://www.hb9dhg.ch

On Mon, Sep 26, 2011 at 1:26 PM, Markus Schleutermann <hb9azt@...
<mailto:hb9azt%40bluewin.ch> <mailto:hb9azt%40bluewin.ch>
<mailto:hb9azt%40bluewin.ch> >wrote:

> **
>
>
> Hello Tomi
>
> I think the temps are ok, it's always a little depending on the
> environmental temperature, but I have more or less the same readings.
>
> btw: remoterig in sweden will offer a perfect web-control for the acom2000
> soon, the beta is under test and working very stable and flawlessy. You
can
> even do an auto tuning process and switching the antenna, reading the amp
> parameters. the switch has a power and swr-display and shows the led's of
> the remote-control.
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
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<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>]
Im
> Auftrag von tomi.j.kallio@... <mailto:tomi.j.kallio%40kolumbus.fi>
<mailto:tomi.j.kallio%40kolumbus.fi> <mailto:tomi.j.kallio%40kolumbus.fi>

> Gesendet: Montag, 26. September 2011 12:55
> An: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
> Betreff: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest
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> Thanks Mark.
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> Perhaps I have something wrong with the wirings inside the amp.
> Fan is ok because it works when I take 12V from my power supply.
> Still I wonder are my temp readings ok for 800W.
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> -Tomi OH2BBT
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> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>,
> "Markus Schleutermann" <hb9azt@...> wrote:
> >
> > Hello Tomi
> >
> > Check your fan installation, on my amp the external fan spins as soon
the
> amp is powered up and ready for operation. When temperature exceeds 80
> degrees, the external fan begins to turn much faster, you will hear the
> noise of the fans. After a short time the temperature cools down and the
> fans are spinning slower again. Check your external fan for the correct
> spinning direction, it should act as a blower and not as a sucker!
> >
> > 73 de Mark, HB9AZT
> >
> > Von: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
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> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>] Im
> Auftrag von tomi.j.kallio@...
> > Gesendet: Montag, 26. September 2011 12:19
> > An: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
> > Betreff: [acom-list] ACOM 2000 tube temperatures on RTTY contest
> >
> >
> >
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> > I have extra fan installed (12V) but it never started to spin.
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> > It would be better if extra fan speed depends on tube temp.
> >
> > -Tomi OH2BBT
> >
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Yahoo! Groups Links

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4384. Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 15:13:02 UTC
From: Thomas Lutz
Topic: 4371 Message: 4384

Thanks for the info!

Sent from my Ipad

4385. Re: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 15:14:14 UTC
From: Jim Idelson
Topic: 4371 Message: 4385

For an Acom 2000A that was produced more than 10 years ago, would it
make sense to do a firmware upgrade? Would the new firmware support the
old hardware support?

On 9/25/2011 11:43 PM, Andrey wrote:
> The firmware is programmed on a "classic" EPROM - 27C512 chip. The only way to upgrade it is to get the HEX/BIN file for a newer version from ACOM, erase the original chip with UV light (or just get a blank chip) and use an EPROM programmer to write the file. The firmware IC is socketed on the control board behind the front panel.
> The ACOM 1000 MCU is not designed around a modern PIC with user-friendly means of flashing the firmware via USB or serial port. Updates (when really needed) are normally done by their service facilities.
>
> Hope this helps!
>
> 73
> de Andrey, AE1S
>
>
> --- In acom-list@yahoogroups.com, Thomas Lutz<telutz@...> wrote:
>> I just purchased a new Acom 1000. The Firmware is shown to be V4.2, Oct
>> ?09. Is there a newer version available? If so, how can it be updated?
>> There is no way to hook up a computer unless it is internal.
>>
>> Tom, W0ZR
>>
>>
>> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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73,

Jim K1IR

4386. Re: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 15:23:53 UTC
From: W5OV@w5ov.com
Topic: 4371 Message: 4386

The short answer is no.

Generally, the firmware changes do not "fix" anything. They instead are related to making changes associated with different components being used over the years as availability of specific components has changed.

So, if you would ask Acom to provide updated firmware for your amplifier, they would ask what the serial number is, and in most cases, they would give you a new chip containing the same "old" firmware you already have. There might be exceptions to this somewhere along the line, but this is generally true.

Unless you're having a specific issue where your amplifier is malfunctioning, there is no reason to think about changing the firmware in your amplifier.

Bob W5OV

> For an Acom 2000A that was produced more than 10 years ago, would it
> make sense to do a firmware upgrade? Would the new firmware support the
> old hardware support?
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> On 9/25/2011 11:43 PM, Andrey wrote:
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>> Yahoo! Groups Links
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> Jim K1IR
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> Yahoo! Groups Links
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4387. Re: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 16:10:06 UTC
From: Fulvio Galli
Topic: 4373 Message: 4387

On Sep 26, 2011, at 2:46 PM, Markus Schleutermann wrote:

> Hello Fulvio
>
> The Acom remote control is based on the webswitch provided by remoterig. At the moment it's a simple software mod of the existing web-switch, in future there will be a new hardware plattform with two relays only. The Web switch has to be connected via RS232-Port with the amp. You can use 2 Relais of the webswitch, one for the main power on/off, the other switches the amp on and off. This is done by a simple bridging of two pins in the remote control connector, very simple. The soft on the webswitch gives you complete control over the amp, you can switch antennas when using the acom-antenna-switch and even do an auto-tuning to adapt your amp at changed environmental conditions. Another buttom reads all the parameters of the amp and shows them in a popup-window. A Pc with a simple browser is used at the control site, no other software, no pc at the remote. The new product should be available soon, I had the opportunity to participate at the beta test and suggest some important features for the soft.
>

Hello Mark,

thanks for sharing these great news !
Very useful. I'm not yet interesting in remoting my amplifier .. but let's see in the near future.
Actually i'm using my MK2R+ wired to 2 Sation Masters from Microham. Locally, the automation works like a charm and I had no problems driving my Acom2000A with the original MK cables.
I was testing the Acom Director which is also working great (I'm one of the many beta tester).
What is was very interesting to me .. is the main power ON/OFF feature that webswitch/remote rig has.
Feel free to post good news in the future ;-)

> To top the joy, there is also a switch for remoting the steppIR under test. The two new products where shown at the USKA-Meeting last weekend in Lucerne.
>
> The behaviour of the external fan could depend on the age of the amp. It's possible that earlier models start the fan only, when temperature exceeds a certain limit. At my newer Acom the fan turns permanently, I'm very sure about that, hit it with my fingers when searching a connector at the back of the amp:-) I did the testing also heating up the amp to 80 or 90 degrees, it's some time ago, but I think the temp-limit was 80 degrees, then you hear the fans speeding up and temperature comes down again rapidly.
>

My Acom 2000A is about 2 years old but I will run the test just to be sure it works.
Bought from Vinecom.co.uk with a very GOOD price ;-)

> 73 de Mark, HB9AZT
>

Best 73 de HB9DHG Fulvio

> -----Ursprüngliche Nachricht-----
> Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von Fulvio
> Gesendet: Montag, 26. September 2011 13:59
> An: acom-list@yahoogroups.com
> Betreff: Re: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest
>
> Hello Mark,
>
> very interesting thread,
> sorry to be off-topic .. but would you kindly explain more in details about
> your remote rig ?
> Are you talking about Acom director ?
> Regarding the supplemental fun, i discovered that my Acom 2000A is equipped
> with it, but it has never turned it on.
> Are we sure that exceeding the 80 degrees the fun will be operational ? I
> will try to "force" that limit and see if my fan will begin spinning ;-)
>
> Thanks.
>
> Best 73 de HB9DHG Fulvio
> http://www.hb9dhg.ch
>
> On Mon, Sep 26, 2011 at 1:26 PM, Markus Schleutermann <hb9azt@...>wrote:
>
> > **
> >
> >
> > Hello Tomi
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> > I think the temps are ok, it's always a little depending on the
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> > btw: remoterig in sweden will offer a perfect web-control for the acom2000
> > soon, the beta is under test and working very stable and flawlessy. You can
> > even do an auto tuning process and switching the antenna, reading the amp
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> > the remote-control.
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> > 73 de Mark, HB9AZT
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> > Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im
> > Auftrag von tomi.j.kallio@...
> > Gesendet: Montag, 26. September 2011 12:55
> > An: acom-list@yahoogroups.com
> > Betreff: [acom-list] Re: ACOM 2000 tube temperatures on RTTY contest
> >
> > Thanks Mark.

> >
> > Perhaps I have something wrong with the wirings inside the amp.
> > Fan is ok because it works when I take 12V from my power supply.
> > Still I wonder are my temp readings ok for 800W.
> >
> > -Tomi OH2BBT
> >
> > --- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>,
> > "Markus Schleutermann" <hb9azt@...> wrote:
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> > > Hello Tomi
> > >
> > > Check your fan installation, on my amp the external fan spins as soon the
> > amp is powered up and ready for operation. When temperature exceeds 80
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> > noise of the fans. After a short time the temperature cools down and the
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> > > 73 de Mark, HB9AZT
> > >
> > > Von: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > [mailto:acom-list@...m<mailto:acom-list%40yahoogroups.com>] Im
> > Auftrag von tomi.j.kallio@...
> > > Gesendet: Montag, 26. September 2011 12:19
> > > An: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > > Betreff: [acom-list] ACOM 2000 tube temperatures on RTTY contest
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> Yahoo! Groups Links
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4388. Acom 2000A Internal Blower

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 17:18:52 UTC
From: Ron NØAT
Topic: 4371 Message: 4388

The internal fan (blower) in my 2000A didn☐t sound quite right the past few months. I seemed to rattle a bit. At times it delayed starting up when turning on the 2000A power, but it started before the warm-up expired.

For the past two tries, the fan didn☐t start up at all. I immediately shut down the amplifier after the warm up period expired as I think it might harm the tubes without the blower running.

So today I took the cover off and oiled the blower motor. It☐s somewhat difficult to get oil to the motor shaft, especially the back side. Now the blower starts up ok. But I☐m worried I might have used the improper oil. I used Pflueger Speede Oil. Maybe this is not the correct lubricant.

Any suggestions for the correct lubricant for the blower motor?

73 de Ron NØAT

[Non-text portions of this message have been removed]

4389. Re: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 17:44:40 UTC
From: Jim Idelson
Topic: 4371 Message: 4389

Hi Bob,

Was dreaming that new firmware might provide things like improved
operating parameters and new tuning algorithms that run 3 times as fast!
But, I also knew I was dreaming.

73!

Jim K1IR

On 9/26/2011 11:23 AM, W5OV@... wrote:
> The short answer is no.
>
> Generally, the firmware changes do not "fix" anything. They instead are
> related to making changes associated with different components being used
> over the years as availability of specific components has changed.
>
> So, if you would ask Acom to provide updated firmware for your amplifier,
> they would ask what the serial number is, and in most cases, they would
> give you a new chip containing the same "old" firmware you already have.
> There might be exceptions to this somewhere along the line, but this is
> generally true.
>
> Unless you're having a specific issue where your amplifier is
> malfunctioning, there is no reason to think about changing the firmware in
> your amplifier.
>
> Bob W5OV
>
>
>> For an Acom 2000A that was produced more than 10 years ago, would it
>> make sense to do a firmware upgrade? Would the new firmware support the
>> old hardware support?
>>
>>
>> On 9/25/2011 11:43 PM, Andrey wrote:
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>>> only way to upgrade it is to get the HEX/BIN file for a newer version
>>> from ACOM, erase the original chip with UV light (or just get a blank
>>> chip) and use an EPROM programmer to write the file. The firmware IC
>>> is socketed on the control board behind the front panel.
>>> The ACOM 1000 MCU is not designed around a modern PIC with user-friendly
>>> means of flashing the firmware via USB or serial port. Updates (when
>>> really needed) are normally done by their service facilities.
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>>> Hope this helps!

>>>
>>> 73
>>> de Andrey, AE1S
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>>>
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>>>> I just purchased a new Acom 1000. The Firmware is shown to be V4.2,
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>>>> updated?
>>>> There is no way to hook up a computer unless it is internal.
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>>>> Tom, W0ZR
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>>> Yahoo! Groups Links
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>> 73,
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>> Jim K1IR
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73,

Jim K1IR

4390. ICOM - ACOM 2000A QSK

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-26 20:02:46 UTC
From: Ralph
Topic: 4390 Message: 4390

Hi all,
I am trying to determine the correct wiring and settings for full QSK between my IC-7700 and Acom 2000A. I am using one of the new Microham Digi-Keyer II interfaces with the K1EL keyer built into the DK-II. The IC-7700 is connected directly to the ACOM Key-In. I have tried numerous settings on the DK-II but it still does not sound right. I can the hear the changes but it still seems very choppy on receive. My former PW-1 was perfect on the receive end with QSK.

Present settings on the DK-II are:
PTT Selector: CW QSK
PA PTT Tail: 0ms
PTT Lead: 0ms
PTT Tail: (Constant) 20ms

These settings sounded best to me but still are choppy. Any ideas would be appreciated.
W1ZK

4391. ACOM2000S & SW

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 11:25:14 UTC
From: James Thresher
Topic: 4391 Message: 4391

Most of you are aware of the ACOM Director software I produced for the ACOM 2000A, in response to this I've had a number of requests recently about control software for the ACOM2000S/SW (without it being connected to the ACOM2000A)

Unfortunately I don't own these so I'm wondering if there are any UK based Hams on here that have the ACOM2000S/SW combination who may be willing to loan these out in order to try to produce the control software for them (Assuming it turns out to be possible of course)? It would at most be a couple of weeks of work.

Any software produced would of course be open source and made available for free.

73 James M0YOM

[Non-text portions of this message have been removed]

4392. AW: [acom-list] ACOM2000S & SW

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 14:43:31 UTC
From: Markus Schleutermann
Topic: 4391 Message: 4392

Hello James

What I can tell you about the operation of the ACOM2000S without amplifier is the following: switch and amp have the same command sets, just the device addresses are different. We are connecting the serial interface of our webswitch to the PC-Input of the A2000S-Controller and put the slide switch on the back-panel to position "PC". This switches the RX-data line of the controller from the amp to the external command device, eg. pc or webswitch. In our case it was necessary to repeat all the commands sent from the amp and the A2000S by the webswitch to synchronize the three boxes. Before doing that, we had very sloppy feedbacks from the amp, we had to wait for more than 30 seconds until we received a feedback by the amp.
Hope that helps for the further development!

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von James Thresher
Gesendet: Dienstag, 27. September 2011 13:25
An: acom-list@yahoogroups.com
Betreff: [acom-list] ACOM2000S & SW

Most of you are aware of the ACOM Director software I produced for the ACOM 2000A, in response to this I've had a number of requests recently about control software for the ACOM2000S/SW (without it being connected to the ACOM2000A)

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4393. RE: [acom-list] ACOM2000S & SW

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 16:17:23 UTC
From: Mel Whitten
Topic: 4391 Message: 4393

James,

Steve Nance K5FR who wrote DDUtil (a utility program) for the Flex Radios also included software to control the ACOM2k and the Switch. He may be a source of information.

Mel

K0PFX

See
http://k5fr.com/ddutilwiki/index.php?title=How_To#Setup_a_ACOM2000A_Linear_Amplifier

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Markus Schleutermann
Sent: Tuesday, September 27, 2011 9:44 AM
To: acom-list@yahoogroups.com
Subject: AW: [acom-list] ACOM2000S & SW

Hello James

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Gesendet: Dienstag, 27. September 2011 13:25
An: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Betreff: [acom-list] ACOM2000S & SW

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4394. Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:04:32 UTC
From: k2qmf@juno.com
Topic: 4394 Message: 4394

Hello All,

I am wondering if there is any negative issue
in running the 2000A at 700 or 800 watts by
just turning down the drive from the exciter??

Thanks in advance for any info....

73,
Ted K2QMF

_____
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4395. Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:11:31 UTC
From: PA4JJ
Topic: 4394 Message: 4395

How else would you do that??

--- In acom-list@yahoogroups.com, k2qmf@... wrote:
>
> Hello All,
>
> I am wondering if there is any negative issue
> in running the 2000A at 700 or 800 watts by
> just turning down the drive from the exciter??
>
> Thanks in advance for any info....
>
> 73,
> Ted K2QMF
>
> _____
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4396. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:17:23 UTC
From: k2qmf@juno.com
Topic: 4394 Message: 4396

By manually retuning the output controls...

On Tue, 27 Sep 2011 18:11:31 -0000 "PA4JJ" <acom@...> writes:
> How else would you do that??
>
>
>
> --- In acom-list@yahoogroups.com, k2qmf@... wrote:
> >
> > Hello All,
> >
> > I am wondering if there is any negative issue
> > in running the 2000A at 700 or 800 watts by
> > just turning down the drive from the exciter??
> >
> > Thanks in advance for any info....
> >
> > 73,
> > Ted K2QMF
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4397. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:19:18 UTC
From: W5OV@w5ov.com
Topic: 4394 Message: 4397

There is no other way and no, there's nothing wrong with doing that.

> How else would you do that??
>
>
>
> --- In acom-list@yahoogroups.com, k2qmf@... wrote:
>>
>> Hello All,
>>
>> I am wondering if there is any negative issue
>> in running the 2000A at 700 or 800 watts by
>> just turning down the drive from the exciter??
>>
>> Thanks in advance for any info....
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>> 73,
>> Ted K2QMF
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4398. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:20:58 UTC
From: W5OV@w5ov.com
Topic: 4394 Message: 4398

This would be a problem - you'd be mis-tuning the amp to deliver less power and dissipating what should be going out and creating a great deal of heat. Your tubes would bear the brunt of this along with other components.

Reduce the drive if you don't want to run 1500 out and leave the amp alone.

>
> By manually retuning the output controls...
>
> On Tue, 27 Sep 2011 18:11:31 -0000 "PA4JJ" <acom@...> writes:
>> How else would you do that??
>>
>>
>>
>> --- In acom-list@yahoogroups.com, k2qmf@... wrote:
>> >
>> > Hello All,
>> >
>> > I am wondering if there is any negative issue
>> > in running the 2000A at 700 or 800 watts by
>> > just turning down the drive from the exciter??
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>> > Thanks in advance for any info....
>> >
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4399. Power out question?? More info.

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:20:52 UTC
From: k2qmf@juno.com
Topic: 4399 Message: 4399

My question assumes that you do not
change the tuning or loading controls manually!
Just lower the drive.

Hello All,

I am wondering if there is any negative issue
in running the 2000A at 700 or 800 watts by
just turning down the drive from the exciter??

Thanks in advance for any info....

73,
Ted K2QMF

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4400. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:23:46 UTC
From: k2qmf@juno.com
Topic: 4394 Message: 4400

There sure is another way.

You can readjust the loading after you
lower the drive!!

I am wondering if you just lower the drive without
readjusting the loading would there be any problems??

Ted K2QMF

On Tue, 27 Sep 2011 14:19:18 -0400 W5OV@... writes:
> There is no other way and no, there's nothing wrong with doing that.
>
> > How else would you do that??
> >
> >
> >
> > --- In acom-list@yahoogroups.com, k2qmf@... wrote:
> >>
> >> Hello All,
> >>
> >> I am wondering if there is any negative issue
> >> in running the 2000A at 700 or 800 watts by
> >> just turning down the drive from the exciter??
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> >> Thanks in advance for any info....
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> >> 73,
> >> Ted K2QMF
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60-Year-Old Mom Looks 27
Mom Reveals Free Wrinkle Trick That Has Angered Doctors!
http://thirdpartyoffers.juno.com/TGL3141/4e821515b18ed5aebe5st06vuc

4401. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:35:02 UTC
From: W5OV@w5ov.com
Topic: 4394 Message: 4401

If you were to run full drive, and mis-tune the amp to lower the output,
that power has to be going somewhere. Doing this would damage your
amplifier. Don't do it.

Just reduce your drive.

>
> There sure is another way.
>
> You can readjust the loading after you
> lower the drive!!
>
> I am wondering if you just lower the drive without
> readjusting the loading would there be any problems??
>
> Ted K2QMF
>
>
> On Tue, 27 Sep 2011 14:19:18 -0400 W5OV@... writes:
>> There is no other way and no, there's nothing wrong with doing that.
>>
>> > How else would you do that??
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>> > --- In acom-list@yahoogroups.com, k2qmf@... wrote:
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>> >> Hello All,
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>> >> I am wondering if there is any negative issue
>> >> in running the 2000A at 700 or 800 watts by
>> >> just turning down the drive from the exciter??
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>> >> Thanks in advance for any info....
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4402. Re: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:39:51 UTC
From: Jim Idelson
Topic: 4394 Message: 4402

Ted,

This is an entirely acceptable method of controlling power output. The only down-side might be that the amp won't be operating in its sweet spot for efficiency.

But, I highly recommend you adopt this practice, particularly when you are in the same pile-up as me.

73,

Jim K1IR

On 9/27/2011 2:04 PM, k2qmf@... wrote:
> Hello All,
>
> I am wondering if there is any negative issue
> in running the 2000A at 700 or 800 watts by
> just turning down the drive from the exciter??
>
> Thanks in advance for any info....
>
> 73,
> Ted K2QMF
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73,

Jim K1IR

4403. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:44:38 UTC
From: k2qmf@juno.com
Topic: 4394 Message: 4403

You are missing my point completely!!!!

You are correct in mis-tuning the amp to reduce power is a no no but
I am not saying that!!!

I am saying is it necessary to readjust the tuning and loading
AFTER YOU LOWER THE DRIVE???

Will the tubes be operating at peek "efficiency" at lower drive
settings???

Ted K2QMF

On Tue, 27 Sep 2011 14:35:02 -0400 W5OV@... writes:
> If you were to run full drive, and mis-tune the amp to lower the
> output,
> that power has to be going somewhere. Doing this would damage your
> amplifier. Don't do it.
>
> Just reduce your drive.
>
>
> >
> > There sure is another way.
> >
> > You can readjust the loading after you
> > lower the drive!!
> >
> > I am wondering if you just lower the drive without
> > readjusting the loading would there be any problems??
> >
> > Ted K2QMF
> >
> >
> > On Tue, 27 Sep 2011 14:19:18 -0400 W5OV@... writes:
> >> There is no other way and no, there's nothing wrong with doing
> that.
> >>
> >> > How else would you do that??
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> >> >
> >> >
> >> > --- In acom-list@yahoogroups.com, k2qmf@... wrote:
> >> >>
> >> >> Hello All,
> >> >>

> >> >> I am wondering if there is any negative issue
> >> >> in running the 2000A at 700 or 800 watts by
> >> >> just turning down the drive from the exciter??
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> >> >> Thanks in advance for any info....
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60-Year-Old Mom Looks 27
Mom Reveals Free Wrinkle Trick That Has Angered Doctors!
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4404. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:49:23 UTC
From: Jim Idelson
Topic: 4394 Message: 4404

The basic amp tuning is done at very low power, anyway. And then its
still tuned right when you push it to full power with full exciter drive.

On 9/27/2011 2:44 PM, k2qmf@... wrote:
> You are missing my point completely!!!!
>
> You are correct in mis-tuning the amp to reduce power is a no no but
> I am not saying that!!!
>
> I am saying is it necessary to readjust the tuning and loading
> AFTER YOU LOWER THE DRIVE???
>
> Will the tubes be operating at peek "efficiency" at lower drive
> settings???
>
> Ted K2QMF
>
>
> On Tue, 27 Sep 2011 14:35:02 -0400 W5OV@... writes:
>> If you were to run full drive, and mis-tune the amp to lower the
>> output,
>> that power has to be going somewhere. Doing this would damage your
>> amplifier. Don't do it.
>>
>> Just reduce your drive.
>>
>>
>>> There sure is another way.
>>>
>>> You can readjust the loading after you
>>> lower the drive!!
>>>
>>> I am wondering if you just lower the drive without
>>> readjusting the loading would there be any problems??
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>>> Ted K2QMF
>>>
>>>
>>> On Tue, 27 Sep 2011 14:19:18 -0400 W5OV@... writes:
>>>> There is no other way and no, there's nothing wrong with doing
>> that.
>>>>> How else would you do that??
>>>>>
>>>>>
>>>>>

>>>>> --- In acom-list@yahoogroups.com, k2qmf@... wrote:
>>>>>> Hello All,
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>>>>>> I am wondering if there is any negative issue
>>>>>> in running the 2000A at 700 or 800 watts by
>>>>>> just turning down the drive from the exciter??
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73,

Jim K1IR

4405. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:57:01 UTC
From: W5OV@w5ov.com
Topic: 4394 Message: 4405

Will they be operating at peak efficiency at that power output if you just reduce the drive? Perhaps not, but since you're operating at less than full output, it doesn't matter. There's no stress or strain on anything since your well below rated output.

Bottom line is that it doesn't matter.

What is causing you to be concerned with this?

As I said, just reduce your drive and forget about it.

> The basic amp tuning is done at very low power, anyway. And then its
> still tuned right when you push it to full power with full exciter drive.
>
>
> On 9/27/2011 2:44 PM, k2qmf@... wrote:
>> You are missing my point completely!!!!
>>
>> You are correct in mis-tuning the amp to reduce power is a no no but
>> I am not saying that!!!
>>
>> I am saying is it necessary to readjust the tuning and loading
>> AFTER YOU LOWER THE DRIVE???
>>
>> Will the tubes be operating at peek "efficiency" at lower drive
>> settings???
>>
>> Ted K2QMF
>>
>>
>> On Tue, 27 Sep 2011 14:35:02 -0400 W5OV@... writes:
>>> If you were to run full drive, and mis-tune the amp to lower the
>>> output,
>>> that power has to be going somewhere. Doing this would damage your
>>> amplifier. Don't do it.
>>>
>>> Just reduce your drive.
>>>
>>>
>>>> There sure is another way.
>>>>
>>>> You can readjust the loading after you
>>>> lower the drive!!
>>>>
>>>> I am wondering if you just lower the drive without
>>>> readjusting the loading would there be any problems??

>>>>
>>>> Ted K2QMF
>>>>
>>>>
>>>> On Tue, 27 Sep 2011 14:19:18 -0400 W5OV@... writes:
>>>>> There is no other way and no, there's nothing wrong with doing
>>> that.
>>>>>> How else would you do that??
>>>>>>
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>>>>>> --- In acom-list@yahoogroups.com, k2qmf@... wrote:
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>>>>>>> Thanks in advance for any info....
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>>>>>>> Ted K2QMF
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4406. Re: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 18:15:11 UTC
From: Brian Alsop
Topic: 4394 Message: 4406

Ted,
If you're working SSB, you do this all the time-- dynamically.

73 de Brian/K3KO

On 9/27/2011 18:04, k2qmf@... wrote:
>
>
> Hello All,
>
> I am wondering if there is any negative issue
> in running the 2000A at 700 or 800 watts by
> just turning down the drive from the exciter??
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> Thanks in advance for any info....
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> 73,
> Ted K2QMF
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> Get Free Email with Video Mail & Video Chat!
> http://www.juno.com/freeemail?refcd=JUTAGOUT1FREM0210
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1410 / Virus Database: 1520/3922 - Release Date: 09/27/11
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1410 / Virus Database: 1520/3922 - Release Date: 09/27/11

4407. Re: [acom-list] Re: Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 20:04:08 UTC
From: k2qmf@juno.com
Topic: 4394 Message: 4407

Hi Jim,

Interesting! I didn't think about tuning being done at
low power levels!!

Many Thanks for the input..

The reason for my question is when operating RTTY I think it
would be wise to reduce drive power to the 2000A.

But as for CW or SSB I will be in the pile-ups with full power. Hi...

73,
Ted K2QMF

On Tue, 27 Sep 2011 14:49:23 -0400 Jim Idelson <k1ir@...>
writes:
> The basic amp tuning is done at very low power, anyway. And then its
>
> still tuned right when you push it to full power with full exciter
> drive.
>
>
> On 9/27/2011 2:44 PM, k2qmf@... wrote:
> > You are missing my point completely!!!!
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> > You are correct in mis-tuning the amp to reduce power is a no no
> but
> > I am not saying that!!!
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> > I am saying is it necessary to readjust the tuning and loading
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> > Will the tubes be operating at peek "efficiency" at lower drive
> > settings???
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> > Ted K2QMF
> >
> >
> > On Tue, 27 Sep 2011 14:35:02 -0400 W5OV@... writes:
> >> If you were to run full drive, and mis-tune the amp to lower the
> >> output,
> >> that power has to be going somewhere. Doing this would damage
> your
> >> amplifier. Don't do it.
> >>

> >> Just reduce your drive.
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> >>
> >>> There sure is another way.
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> >>> You can readjust the loading after you
> >>> lower the drive!!
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> >>> I am wondering if you just lower the drive without
> >>> readjusting the loading would there be any problems??
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> >>> Ted K2QMF
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> >>> On Tue, 27 Sep 2011 14:19:18 -0400 W5OV@... writes:
> >>>> There is no other way and no, there's nothing wrong with doing
> >> that.
> >>>>> How else would you do that??
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> >>>>> --- In acom-list@yahoogroups.com, k2qmf@... wrote:
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> >>>>>> I am wondering if there is any negative issue
> >>>>>> in running the 2000A at 700 or 800 watts by
> >>>>>> just turning down the drive from the exciter??
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> >>>>>> 73,
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4408. Re: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 20:06:24 UTC
From: k2qmf@juno.com
Topic: 4394 Message: 4408

Brian,

Good Point as well.... TNX

Ted K2QMF

On Tue, 27 Sep 2011 18:15:11 +0000 Brian Alsop <alsopb@...> writes:
> Ted,
> If you're working SSB, you do this all the time-- dynamically.
>
> 73 de Brian/K3KO
>
> On 9/27/2011 18:04, k2qmf@... wrote:
> >
> >
> > Hello All,
> >
> > I am wondering if there is any negative issue
> > in running the 2000A at 700 or 800 watts by
> > just turning down the drive from the exciter??
> >
> > Thanks in advance for any info....
> >
> > 73,
> > Ted K2QMF
> >
> > ____
> > Get Free Email with Video Mail & Video Chat!
> > http://www.juno.com/freeemail?refcd=JUTAGOUT1FREM0210
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> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 10.0.1410 / Virus Database: 1520/3922 - Release Date:
> 09/27/11
> >
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> -----
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> Version: 10.0.1410 / Virus Database: 1520/3922 - Release Date:
> 09/27/11
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> Yahoo! Groups Links
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http://thirdpartyoffers.juno.com/TGL3141/4e822d2871235b5f5ast04vuc

4409. RE: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-27 20:22:32 UTC
From: Ron NØAT
Topic: 4394 Message: 4409

This is what I received from Acom back in 2004:

☐You can tell Ron that generating much heat is normal for a linear when used below 70% of its nominal output (150W is 7.5% from 2000W).

The heat for RTTY mode would be reduced if you make a "HIGH" selection in the "DEF" (Defaults) sub-menu for "MAINS VOLTAGE / LOW-NORMAL-HIGH" settings and then refresh the AUTO TUNE like this is described in sections S.5-6 and S.4-1 of the Operating Manual.

Such a selection will make the AUTO TUNE to adjust the output tank for a 10% higher plate-loading resistance than it is with the NORMAL selection. This will reduce the maximum attainable output power but it will improve the plate efficiency. Also, the drive needed from the transceiver will be reduced which is an advantage for RTTY mode.

Besides, I would not recommend using ACOM2000A at an output less than 800-1000W output since the tubes regime is with a high idling current for good linearity. There is no special CW/FM mode foreseen.☐

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of k2qmf@...
Sent: Tuesday, September 27, 2011 13:05
To: acom-list@yahoogroups.com
Subject: [acom-list] Power out question??

Hello All,

I am wondering if there is any negative issue
in running the 2000A at 700 or 800 watts by
just turning down the drive from the exciter??

Thanks in advance for any info....

73,
Ted K2QMF

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[Non-text portions of this message have been removed]

4410. RE: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-28 00:32:53 UTC
From: Bob Naumann
Topic: 4394 Message: 4410

Ron,

What question(s) were those answers to?

-Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@...m] On Behalf
Of Ron NØAT
Sent: Tuesday, September 27, 2011 3:23 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Power out question??

This is what I received from Acom back in 2004:

☐You can tell Ron that generating much heat is normal for a linear when used
below 70% of its nominal output (150W is 7.5% from 2000W).

The heat for RTTY mode would be reduced if you make a "HIGH" selection in
the "DEF" (Defaults) sub-menu for "MAINS VOLTAGE / LOW-NORMAL-HIGH" settings
and then refresh the AUTO TUNE like this is described in sections S.5-6 and
S.4-1 of the Operating Manual.

Such a selection will make the AUTO TUNE to adjust the output tank for a 10%
higher plate-loading resistance than it is with the NORMAL selection. This
will reduce the maximum attainable output power but it will improve the
plate efficiency. Also, the drive needed from the transceiver will be
reduced which is an advantage for RTTY mode.

Besides, I would not recommend using ACOM2000A at an output less than
800-1000W output since the tubes regime is with a high idling current for
good linearity. There is no special CW/FM mode foreseen.☐

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of k2qmf@...
Sent: Tuesday, September 27, 2011 13:05
To: acom-list@yahoogroups.com
Subject: [acom-list] Power out question??

Hello All,

I am wondering if there is any negative issue
in running the 2000A at 700 or 800 watts by
just turning down the drive from the exciter??

Thanks in advance for any info....

73,
Ted K2QMF

_____
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

4411. RE: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-28 01:52:17 UTC
From: Ron NØAT
Topic: 4394 Message: 4411

My question was regarding running the 2000A at 150 watts output. I was concerned about operating the amplifier so far out of normal specified operation. Will the amplifier generate excess heat when operated in this way? Is there a low power mode, like we have in the 1010?

Why would anyone want to run the 2000A at only 150 watts output? I was preparing to operate the ARRL RTTY Roundup contest in the low power category. Most contest sponsors define low power as 100 watts, while the ARRL defines low power as 150 watts. So rather than run my transceiver at 100 watts maximum and listen to the fans scream all weekend, I was looking into running my transceiver at 10 watts, and have the amplifier loaf along at 150 watts (maximum for the low power category).

After receiving the reply from Acom, I decided to leave the amplifier off and I ran my exciter at 100 watts.

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Tuesday, September 27, 2011 19:33
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Power out question??

Ron,

What question(s) were those answers to?

-Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf Of Ron NØAT
Sent: Tuesday, September 27, 2011 3:23 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: RE: [acom-list] Power out question??

This is what I received from Acom back in 2004:

☐You can tell Ron that generating much heat is normal for a linear when used below 70% of its nominal output (150W is 7.5% from 2000W).

The heat for RTTY mode would be reduced if you make a "HIGH" selection in the "DEF" (Defaults) sub-menu for "MAINS VOLTAGE / LOW-NORMAL-HIGH" settings and then refresh the AUTO TUNE like this is described in sections S.5-6 and S.4-1 of the Operating Manual.

Such a selection will make the AUTO TUNE to adjust the output tank for a 10% higher plate-loading resistance than it is with the NORMAL selection. This will reduce the maximum attainable output power but it will improve the plate efficiency. Also, the drive needed from the transceiver will be reduced which is an advantage for RTTY mode.

Besides, I would not recommend using ACOM2000A at an output less than 800-1000W output since the tubes regime is with a high idling current for good linearity. There is no special CW/FM mode foreseen.☐

73 de Ron NØAT

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
Of k2qmf@... <mailto:k2qmf%40juno.com>
Sent: Tuesday, September 27, 2011 13:05
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Power out question??

Hello All,

I am wondering if there is any negative issue
in running the 2000A at 700 or 800 watts by
just turning down the drive from the exciter??

Thanks in advance for any info....

73,
Ted K2QMF

_____
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4412. RE: [acom-list] Power out question??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-28 12:51:05 UTC
From: Bob Naumann
Topic: 4394 Message: 4412

OK - Ron - this makes sense.

While it may not be optimum efficiency, the default tuning of the amplifier when run at such a low input level cannot cause any real problems i.e.; damage to components etc.

Also, running at lower than maximum output on RTTY, again, perhaps the default tuning may not result in optimum efficiency, but the reduced power level will result in less stress, fatigue and heat than running at full power.

Bottom line - reduce your drive to whatever level you want, and don't worry about it.

I agree about the 100w / 150w issue - the ARRL should change the 150 to 100 and stop the madness that is inevitable.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron NØAT
Sent: Tuesday, September 27, 2011 8:52 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Power out question??

My question was regarding running the 2000A at 150 watts output. I was concerned about operating the amplifier so far out of normal specified operation. Will the amplifier generate excess heat when operated in this way? Is there a low power mode, like we have in the 1010?

Why would anyone want to run the 2000A at only 150 watts output? I was preparing to operate the ARRL RTTY Roundup contest in the low power category. Most contest sponsors define low power as 100 watts, while the ARRL defines low power as 150 watts. So rather than run my transceiver at 100 watts maximum and listen to the fans scream all weekend, I was looking into running my transceiver at 10 watts, and have the amplifier loaf along at 150 watts (maximum for the low power category).

After receiving the reply from Acom, I decided to leave the amplifier off and I ran my exciter at 100 watts.

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann

Sent: Tuesday, September 27, 2011 19:33
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Power out question??

Ron,

What question(s) were those answers to?

-Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
Of Ron NØAT
Sent: Tuesday, September 27, 2011 3:23 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: RE: [acom-list] Power out question??

This is what I received from Acom back in 2004:

☐You can tell Ron that generating much heat is normal for a linear when used
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and then refresh the AUTO TUNE like this is described in sections S.5-6 and
S.4-1 of the Operating Manual.

Such a selection will make the AUTO TUNE to adjust the output tank for a 10%
higher plate-loading resistance than it is with the NORMAL selection. This
will reduce the maximum attainable output power but it will improve the
plate efficiency. Also, the drive needed from the transceiver will be
reduced which is an advantage for RTTY mode.

Besides, I would not recommend using ACOM2000A at an output less than
800-1000W output since the tubes regime is with a high idling current for
good linearity. There is no special CW/FM mode foreseen.☐

73 de Ron NØAT

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
Of k2qmf@juno.com <mailto:k2qmf%40juno.com>
Sent: Tuesday, September 27, 2011 13:05
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Power out question??

Hello All,

I am wondering if there is any negative issue
in running the 2000A at 700 or 800 watts by

just turning down the drive from the exciter??

Thanks in advance for any info....

73,
Ted K2QMF

_____
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http://www.juno.com/freeemail?refcd=JUTAGOUT1FREM0210

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4413. Re: [acom-list] ICOM - ACOM 2000A QSK

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-28 18:50:39 UTC
From: Val
Topic: 4390 Message: 4413

Ralph,

20ms seems to be too much for full QSK. Try without DK-II.

73 Val LZ1VB

> Hi all,
> I am trying to determine the correct wiring and settings for full QSK
> between my IC-7700 and Acom 2000A. I am using one of the new Microham
> Digi-Keyer II interfaces with the K1EL keyer built into the DK-II. The
> IC-7700 is connected directly to the ACOM Key-In. I have tried numerous
> settings on the DK-II but it still does not sound right. I can the hear
> the changes but it still seems very choppy on receive. My former PW-1 was
> perfect on the receive end with QSK.
>
> Present settings on the DK-II are:
> PTT Selector: CW QSK
> PA PTT Tail: 0ms
> PTT Lead: 0ms
> PTT Tail: (Constant) 20ms
>
> These settings sounded best to me but still are choppy. Any ideas would be
> appreciated.
> W1ZK
>
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>

4414. Re: ICOM - ACOM 2000A QSK

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-29 15:59:59 UTC
From: Ralph
Topic: 4390 Message: 4414

Hi Val,
Thanks for the advice. I tried the Bencher key directly into the IC-7700 front panel connector. It still gave me a pop or a chop sound but only at the end of a word. I am in the full QSK mode at about 30wpm.I could hear between the dit/dahs OK but then at the end of a word a "pop." I tried again with the Microham DK-II. It is now set for a PTT lead of 10ms and a PTT Tail: (Constant) 0ms. It sounds very good - no pops!

The little relay in the IC-7700 is louder than the vacuum relay in the 2000A!

73's Ralph W1ZK

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> Ralph,
>
> 20ms seems to be too much for full QSK. Try without DK-II.
>
> 73 Val LZ1VB
>
>
> > Hi all,
> > I am trying to determine the correct wiring and settings for full QSK
> > between my IC-7700 and Acom 2000A. I am using one of the new Microham
> > Digi-Keyer II interfaces with the K1EL keyer built into the DK-II. The
> > IC-7700 is connected directly to the ACOM Key-In. I have tried numerous
> > settings on the DK-II but it still does not sound right. I can the hear
> > the changes but it still seems very choppy on receive. My former PW-1 was
> > perfect on the receive end with QSK.
> >
> > Present settings on the DK-II are:
> > PTT Selector: CW QSK
> > PA PTT Tail: 0ms
> > PTT Lead: 0ms
> > PTT Tail: (Constant) 20ms
> >
> > These settings sounded best to me but still are choppy. Any ideas would be
> > appreciated.
> > W1ZK
> >
> >
> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
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>

4415. RE: [acom-list] ACOM2000S & SW

Yahoo group: acom-list (2010 — 2016)
Date: 2011-09-30 07:23:25 UTC
From: James Thresher
Topic: 4391 Message: 4415

Hi Markus,

Thanks for the information, this should make it pretty simple to add switch only control to the software.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Markus Schleutermann
Sent: 27 September 2011 15:44
To: acom-list@yahoogroups.com
Subject: AW: [acom-list] ACOM2000S & SW

Hello James

What I can tell you about the operation of the ACOM2000S without amplifier is the following: switch and amp have the same command sets, just the device addresses are different. We are connecting the serial interface of our webswitch to the PC-Input of the A2000S-Controller and put the slide switch on the back-panel to position "PC". This switches the RX-data line of the controller from the amp to the external command device, eg. pc or webswitch. In our case it was necessary to repeat all the commands sent from the amp and the A2000S by the webswitch to synchronize the three boxes. Before doing that, we had very sloppy feedbacks from the amp, we had to wait for more than 30 seconds until we received a feedback by the amp.
Hope that helps for the further development!

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] Im Auftrag von James Thresher
Gesendet: Dienstag, 27. September 2011 13:25
An: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Betreff: [acom-list] ACOM2000S & SW

Most of you are aware of the ACOM Director software I produced for the ACOM 2000A, in response to this I've had a number of requests recently about control software for the ACOM2000S/SW (without it being connected to the ACOM2000A)

Unfortunately I don't own these so I'm wondering if there are any UK based Hams on here that have the ACOM2000S/SW combination who may be willing to loan these out in order to try to produce the control software for them (Assuming it turns out to be possible of course)? It would at most be a couple of weeks of work.

Any software produced would of course be open source and made available for free.

73 James M0YOM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4416. Re: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-01 00:26:11 UTC
From: Mel Whitten
Topic: 4371 Message: 4416

I wonder if that file is available from Acom? I have an eprom burner from the old Packet Radio days when I burned a lot of 27C512(s)s for tnc nodes and still have a stick of them left. :-)
My fan does not run at 90c either!

Mel
K0PFX

----- Original Message -----
From: Andrey
To: acom-list@yahoogroups.com
Sent: Sunday, September 25, 2011 10:43 PM
Subject: [acom-list] Re: Acom 1000 Firmware

The firmware is programmed on a "classic" EPROM - 27C512 chip. The only way to upgrade it is to get the HEX/BIN file for a newer version from ACOM, erase the original chip with UV light (or just get a blank chip) and use an EPROM programmer to write the file. The firmware IC is socketed on the control board behind the front panel.
The ACOM 1000 MCU is not designed around a modern PIC with user-friendly means of flashing the firmware via USB or serial port. Updates (when really needed) are normally done by their service facilities.

Hope this helps!

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Thomas Lutz <telutz@...> wrote:
>
> I just purchased a new Acom 1000. The Firmware is shown to be V4.2, Oct
> 009. Is there a newer version available? If so, how can it be updated?
> There is no way to hook up a computer unless it is internal.
>
> Tom, W0ZR
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4417. Re: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-01 01:38:40 UTC
From: Brian Alsop
Topic: 4371 Message: 4417

Guys,
Thanks for the memories. Remember dealing with these UV erasable
EPROMs. Was on a shoestring budget and had to make my own eraser and
programmer. Was fun back then but would be a genuine pain these days.

73 de Brian/K3KO

Mel Whitten wrote:
>
>
> I wonder if that file is available from Acom? I have an eprom burner
> from the old Packet Radio days when I burned a lot of 27C512(s)s for tnc
> nodes and still have a stick of them left. :-)
> My fan does not run at 90c either!
>
> Mel
> K0PFX
>
> ----- Original Message -----
> From: Andrey
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Sent: Sunday, September 25, 2011 10:43 PM
> Subject: [acom-list] Re: Acom 1000 Firmware
>
> The firmware is programmed on a "classic" EPROM - 27C512 chip. The only
> way to upgrade it is to get the HEX/BIN file for a newer version from
> ACOM, erase the original chip with UV light (or just get a blank chip)
> and use an EPROM programmer to write the file. The firmware IC is
> socketed on the control board behind the front panel.
> The ACOM 1000 MCU is not designed around a modern PIC with user-friendly
> means of flashing the firmware via USB or serial port. Updates (when
> really needed) are normally done by their service facilities.
>
> Hope this helps!
>
> 73
> de Andrey, AE1S
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> Thomas Lutz <telutz@...> wrote:
> >
> > I just purchased a new Acom 1000. The Firmware is shown to be V4.2, Oct
> > 009. Is there a newer version available? If so, how can it be updated?
> > There is no way to hook up a computer unless it is internal.
> >

> > Tom, W0ZR
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
> [Non-text portions of this message have been removed]
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>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1410 / Virus Database: 1520/3930 - Release Date: 09/30/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1410 / Virus Database: 1520/3930 - Release Date: 09/30/11

4418. Re: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-01 14:27:16 UTC
From: Mel Whitten
Topic: 4371 Message: 4418

Whoops.. I am looking for firmware for the 2000A not 1k
not the 1000A (if that is only way to get the fan to run) at
lower temps.
Mel

----- Original Message -----
From: "Brian Alsop" <alsopb@...>
To: <acom-list@yahoogroups.com>
Sent: Friday, September 30, 2011 8:38 PM
Subject: Re: [acom-list] Re: Acom 1000 Firmware

> Guys,
> Thanks for the memories. Remember dealing with these UV erasable
> EPROMs. Was on a shoestring budget and had to make my own eraser and
> programmer. Was fun back then but would be a genuine pain these days.
>
> 73 de Brian/K3KO
>
>
> Mel Whitten wrote:
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>>
>> I wonder if that file is available from Acom? I have an eprom burner
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>> nodes and still have a stick of them left. :-)
>> My fan does not run at 90c either!
>>
>> Mel
>> K0PFX
>>
>> ----- Original Message -----
>> From: Andrey
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> Sent: Sunday, September 25, 2011 10:43 PM
>> Subject: [acom-list] Re: Acom 1000 Firmware
>>
>> The firmware is programmed on a "classic" EPROM - 27C512 chip. The only
>> way to upgrade it is to get the HEX/BIN file for a newer version from
>> ACOM, erase the original chip with UV light (or just get a blank chip)
>> and use an EPROM programmer to write the file. The firmware IC is
>> socketed on the control board behind the front panel.
>> The ACOM 1000 MCU is not designed around a modern PIC with user-friendly
>> means of flashing the firmware via USB or serial port. Updates (when
>> really needed) are normally done by their service facilities.
>>

>> Hope this helps!
>>
>> 73
>> de Andrey, AE1S
>>
>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
>> Thomas Lutz <telutz@...> wrote:
>> >
>> > I just purchased a new Acom 1000. The Firmware is shown to be V4.2,
>> Oct
>> > 009. Is there a newer version available? If so, how can it be updated?
>> > There is no way to hook up a computer unless it is internal.
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>> > Tom, W0ZR
>> >
>> >
>> > [Non-text portions of this message have been removed]
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>> [Non-text portions of this message have been removed]
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>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 10.0.1410 / Virus Database: 1520/3930 - Release Date: 09/30/11
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>
>
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>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1410 / Virus Database: 1520/3930 - Release Date: 09/30/11
>
>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>

4419. RE: [acom-list] Re: Acom 1000 Firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-01 14:56:29 UTC
From: Bob Naumann
Topic: 4371 Message: 4419

If you have an older 2000A, you can connect the power to the fan full-time by re-wiring it to full-time power if you like. I think some of the older units did have both options on the little circuit board where the fan is supposed to connect.

It will be noisier if you do this and the real likelihood is that unless you're W1AW doing RTTY broadcasts, it's just not necessary.

Remember, you have the big squirrel cage fan inside the amp running all the time now.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mel Whitten
Sent: Saturday, October 01, 2011 9:27 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 1000 Firmware

Whoops.. I am looking for firmware for the 2000A not 1k
not the 1000A (if that is only way to get the fan to run) at
lower temps.
Mel

----- Original Message -----
From: "Brian Alsop" <alsopb@...>
To: <acom-list@yahoogroups.com>
Sent: Friday, September 30, 2011 8:38 PM
Subject: Re: [acom-list] Re: Acom 1000 Firmware

> Guys,
> Thanks for the memories. Remember dealing with these UV erasable
> EPROMs. Was on a shoestring budget and had to make my own eraser and
> programmer. Was fun back then but would be a genuine pain these days.
>
> 73 de Brian/K3KO
>
>
> Mel Whitten wrote:
>>
>>
>> I wonder if that file is available from Acom? I have an eprom burner
>> from the old Packet Radio days when I burned a lot of 27C512(s)s for tnc
>> nodes and still have a stick of them left. :-)
>> My fan does not run at 90c either!
>>
>> Mel

>> K0PFX
>>
>> ----- Original Message -----
>> From: Andrey
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> Sent: Sunday, September 25, 2011 10:43 PM
>> Subject: [acom-list] Re: Acom 1000 Firmware
>>
>> The firmware is programmed on a "classic" EPROM - 27C512 chip. The only
>> way to upgrade it is to get the HEX/BIN file for a newer version from
>> ACOM, erase the original chip with UV light (or just get a blank chip)
>> and use an EPROM programmer to write the file. The firmware IC is
>> socketed on the control board behind the front panel.
>> The ACOM 1000 MCU is not designed around a modern PIC with user-friendly
>> means of flashing the firmware via USB or serial port. Updates (when
>> really needed) are normally done by their service facilities.
>>
>> Hope this helps!
>>
>> 73
>> de Andrey, AE1S
>>
>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
>> Thomas Lutz <telutz@...> wrote:
>> >
>> > I just purchased a new Acom 1000. The Firmware is shown to be V4.2,
>> Oct
>> > 009. Is there a newer version available? If so, how can it be updated?
>> > There is no way to hook up a computer unless it is internal.
>> >
>> > Tom, W0ZR
>> >
>> >
>> > [Non-text portions of this message have been removed]
>> >
>>
>> [Non-text portions of this message have been removed]
>>
>>
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 10.0.1410 / Virus Database: 1520/3930 - Release Date: 09/30/11
>>
>
>
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> -----
> No virus found in this message.

> Checked by AVG - www.avg.com
> Version: 10.0.1410 / Virus Database: 1520/3930 - Release Date: 09/30/11
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Yahoo! Groups Links

4420. Re: ACOM 2000A Failure (not relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-01 22:51:13 UTC
From: NatureDude
Topic: 4340 Message: 4420

Oh well, it wasn't the relay. Replaced with no change in symptoms. I was suspicious before as I had heard it chatter occasionally with no excitation, that has to be a control issue.

Does anyone know of common faults with the control system? Most common errors here are "relay open, should be closed" when transmitting, and arc faults that are definately not arcs. "Relay open" was intermittent, now seems to be a hard failure.

73,
Drew K3PA

--- In acom-list@yahoogroups.com, "NatureDude" <naturedudeks@...> wrote:
>
> Thanks! What coil voltage is used? 26V or 12V?
>
> --- In acom-list@yahoogroups.com, Jay Terleski <jayt@> wrote:
> >
> > Drew,
> >
> > ACOM applies a 1.8VDC on the TR relay through an RF choke. It is used to
> > sense which position the TR relay is in.
> > Check your schematics. The voltage is sent to the Processor board. It is
> > highly likely you need to just change out the TR relay. HC-1 is a good
> > choice. and you can get new ones from Allen Bond at Max Gain Systems, best
> > prices I have found.
> >
> > Jay
> >
> > --
> > Jay Terleski
> > Array Solutions
> > 214 954 7140
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

4421. Re: [acom-list] Re: ACOM 2000A Failure (not relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-02 07:07:12 UTC
From: IVAN
Topic: 4340 Message: 4421

Posted om 01/11/2011

Hi,
I have had this _("Antenna relay open it should be close....."_) problem in the past time october 2010 this error was produced for one of my antennas (I do not detect before if the problem is produced for any antenna all antennas are OK) with others not appear, I ask for it ACOM Bulgaria, and say to my step to step to take measure in the internal plate all measures are OK (¿?) I think my antenna switch is damage (¿?) I check all antenna conections and swich,finally I decide to change the vacuun realy and ask for the price, but at this time I decide to make a experiment (!!!!!!!!!!!)
I build a RF choke 23,5 turns of RG 58/U (you ca make it of RG 213, but is very long the pipe) on a 110 mm diameter PVC pipe and insert THE CHOKE "between" _antenna out and antenna the switch_ the problem has not appeared at the moment and the ACOM 2000 is working 100%
I am surprised for it (¿?), mine is one of the 2000/2001 _year is 10 years old .
_Sorry for my English
73´s Ivan EA8YG "LANZAROTE ISLAND)

El 01/10/2011 23:51, NatureDude escribió:
>
> Oh well, it wasn't the relay. Replaced with no change in symptoms. I
> was suspicious before as I had heard it chatter occasionally with no
> excitation, that has to be a control issue.
>
> Does anyone know of common faults with the control system? Most common
> errors here are "relay open, should be closed" when transmitting, and
> arc faults that are definately not arcs. "Relay open" was
> intermittent, now seems to be a hard failure.
>
> 73,
> Drew K3PA
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> "NatureDude" <naturedudeks@...> wrote:
> >
> > Thanks! What coil voltage is used? 26V or 12V?
> >
> > --- In acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>, Jay Terleski <jayt@> wrote:
> > >
> > > Drew,
> > >

> > > ACOM applies a 1.8VDC on the TR relay through an RF choke. It is
> used to
> > > sense which position the TR relay is in.
> > > Check your schematics. The voltage is sent to the Processor board.
> It is
> > > highly likely you need to just change out the TR relay. HC-1 is a good
> > > choice. and you can get new ones from Allen Bond at Max Gain
> Systems, best
> > > prices I have found.
> > >
> > > Jay
> > >
> > > --
> > > Jay Terleski
> > > Array Solutions
> > > 214 954 7140
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>
>

[Non-text portions of this message have been removed]

4422. Re: ACOM 2000A Failure (not relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-02 12:50:07 UTC
From: NatureDude
Topic: 4340 Message: 4422

Thank you for the input Ivan. RF parallel currents are not the case for my issue as I can see it with no RF output.

Thanks,
Drew K3PA

--- In acom-list@yahoogroups.com, IVAN <ea8yg@...> wrote:
>
> Posted om 01/11/2011
>
> Hi,
> I have had this _("Antenna relay open it should be close....."_) problem
> in the past time october 2010 this error was produced for one of my
> antennas (I do not detect before if the problem is produced for any
> antenna all antennas are OK) with others not appear, I ask for it ACOM
> Bulgaria, and say to my step to step to take measure in the internal
> plate all measures are OK (¿?) I think my antenna switch is damage (¿?)
> I check all antenna conections and swich,finally I decide to change the
> vacuun realy and ask for the price, but at this time I decide to make a
> experiment (!!!!!!!!!!!)
> I build a RF choke 23,5 turns of RG 58/U (you ca make it of RG 213, but
> is very long the pipe) on a 110 mm diameter PVC pipe and insert THE
> CHOKE "between" _antenna out and antenna the switch_ the problem has not
> appeared at the moment and the ACOM 2000 is working 100%
> I am surprised for it (¿?), mine is one of the 2000/2001 _year is 10
> years old .
> _Sorry for my English
> 73´s Ivan EA8YG "LANZAROTE ISLAND)
>
>
>
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>
>
>
>
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>
> El 01/10/2011 23:51, NatureDude escribió:
> >
> > Oh well, it wasn't the relay. Replaced with no change in symptoms. I
> > was suspicious before as I had heard it chatter occasionally with no
> > excitation, that has to be a control issue.

> >
> > Does anyone know of common faults with the control system? Most common
> > errors here are "relay open, should be closed" when transmitting, and
> > arc faults that are definately not arcs. "Relay open" was
> > intermittent, now seems to be a hard failure.
> >
> > 73,
> > Drew K3PA
> >
> > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> > "NatureDude" <naturedudeks@> wrote:
> > >
> > > Thanks! What coil voltage is used? 26V or 12V?
> > >
> > > --- In acom-list@yahoogroups.com
> > <mailto:acom-list%40yahoogroups.com>, Jay Terleski <jayt@> wrote:
> > > >
> > > > Drew,
> > > >
> > > > ACOM applies a 1.8VDC on the TR relay through an RF choke. It is
> > used to
> > > > sense which position the TR relay is in.
> > > > Check your schematics. The voltage is sent to the Processor board.
> > It is
> > > > highly likely you need to just change out the TR relay. HC-1 is a good
> > > > choice. and you can get new ones from Allen Bond at Max Gain
> > Systems, best
> > > > prices I have found.
> > > >
> > > > Jay
> > > >
> > > > --
> > > > Jay Terleski
> > > > Array Solutions
> > > > 214 954 7140
> > > >
> > > >
> > > > [Non-text portions of this message have been removed]
> > > >
> > >
> > >
> > >
> > >
> > [Non-text portions of this message have been removed]
> >

4423. Re: ACOM 2000 tube temperatures on RTTY contest

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-04 10:48:09 UTC
From: tomi.j.kallio@kolumbus.fi
Topic: 4373 Message: 4423

Problem solved
I have 12V extra fan, it wont spin under 90c because serial resistor is too high for my fan.
I could change it but better solution is to run extra fan with 12V power supply and use correct resistor. (40 ohm on my case)
Now extra fan help normal fan to keep amp cool.

Tube temps are around 50C on normal CW QSO with 1KW output.
If extra fan is stopped, temp is around 65 C

Cooler is always better :)

-Tomi OH2BBT

--- In acom-list@yahoogroups.com, tomi.j.kallio@... wrote:
>
> Hi all
> I monitored tube temps during CQ WW RTTY contest.
> My output power was 800W and temp's raised to 90C when I was running.
>
> I have extra fan installed (12V) but it never started to spin.
> I connected fan into extra 12V power supply and let it spin on half speed.
> Temps decreased to 70C, is there design flaw in this amp or are those temps normal?
>
> It would be better if extra fan speed depends on tube temp.
>
> -Tomi OH2BBT
>

4424. Re: ACOM 2000A Failure (not relay)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-05 19:36:40 UTC
From: Jay Terleski
Topic: 4340 Message: 4424

Just fixed a ACOM 1000 that had the dreaded TR2B error (TR RELAY). Customer had replaced the relay to no avail, so he sent it in.

The problem was that C50 on the main board had burnt up but did not show any burnt or bulging marks looking at the top of the MAINS PCB.

I found that betwen the 48V output from that board on J5 only had 28V on it. So the VAC relay would work but not fast enouph.

Tracing back to the 48V diode bridge D22-D25 I found that it was open. Looking at the board carefully did not show where. So it had to be under the cap where the trace went. Removed the cap and found the mess.

Repaired trace, put in another electroytic and now the amp is back in business.

Don't ask me how long it took to get this far. Thanks to Stanislav in Bulgaria he gave me the info that indeed the Vac relay wants to see 48Volts DC.

So common causes of this error could be
1 VAC RELAY
2. 48V DC supply to VAC RELAY coil is bad or missing or very low as in 28V. It will still allow the relay to work but not fast.
3. 1.8V DC relay sense voltage on the VAC RELAY and the two large RFC inductors that keep RF out of the circuitry
4. CPU board and the sense line into the processor for the 1.8V DC

Hope this helps someone in the future.

Jay

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

4425. New stuff update???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-07 23:57:42 UTC
From: kamarty456
Topic: 4425 Message: 4425

Anything new regarding the new products ACOM has shown?

Anyone using the new RCU?

anyone beta testing their solid state amp?

Martin ka7gkn

4426. New Acom 2000a Remote Control Tool

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-08 15:28:34 UTC
From: dj0qn
Topic: 4426 Message: 4426

This was just announced from the guys at RemoteRig:

http://www.remoterig.com/wp/?page_id=1010

73,
Mitch DJ0QN

4427. RE: [acom-list] New stuff update???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-08 22:00:36 UTC
From: Bob Naumann
Topic: 4425 Message: 4427

Marty,

Sadly, none of the new stuff is out yet.

Acom is still saying "December or January" for all new items.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Friday, October 07, 2011 6:58 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] New stuff update???

Anything new regarding the new products ACOM has shown?

Anyone using the new RCU?

anyone beta testing their solid state amp?

Martin ka7gkn

Yahoo! Groups Links

4428. seperate 6m antenna socket

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-09 17:08:37 UTC
From: simon
Topic: 4428 Message: 4428

hey all, I'm wondering if anyone has modified an Acom 1000 with a second SO239 for 6m only output?
regards.
Simon G7TPL

4429. EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 02:53:26 UTC
From: kamarty456
Topic: 4429 Message: 4429

I did the EBS modification back in February of 2011.
You can do a search to read all the discussions etc.
I believe message # 3938 is a good starting point.
Also look in the file section for specific instructions

The purpose of this post is to simply let you all know the 2000A
is working flawlessly and has not hick-cupped or skipped a beat!

For those of you still deciding about jumping and and doing the EBS
modification, I say "go for it"

Not to be overly critical, I have heard a number of ACOM 2000A
amplifiers of various vintages and in the SSB mode I have heard
the bias crunch on certain words and syllables. Even those used with strident narrow band
SSB audio exhibited the crunch.

The crunch sounds like someone crinkling up paper or RFI

My amp is around 11 years old [how time flies!!!]

Especially for those of you using SSB fidelity [ESSB/essb]
this modification is perfect!

regards,

Martin KA7GKN

4430. Re: Fixes to allow Ten-Tec Xcvrs to work with the ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 13:41:45 UTC
From: N1EU
Topic: 319 Message: 4430

There is a doc ("TenTec.doc")in the files section showing the modification to a Ten-Tec Paragon so that its TX EN and TX OUT lines comply with the Acom 2000A.

Does anybody know the corresponding rework instructions to modify an Omni6 or Omni6+ ?

Thanks & 73,
Barry N1EU

--- In acom-list@yahoogroups.com, "Bill Musa" <k5yg@...> wrote:
>
> Hello ACOM Group:
>
> I just uploaded a write-up and schematic(prepared by Vasco, LZ1JK)
> that fixes the Ten-Tec / 2000A compatability problem. Krassy emailed
> the fix to me yesterday -- Thank you Krassy --
>
> I tested the "Simple Fix" tonight with my Omni VI and ACOM 2000A on
> QSK high speed CW -- all appears well - no faults to report.
>
> The "Simple Fix" is to connect the Omni Key-Out to the Key-EN jacks
> with a RCA connector "T" cable. The common connector connects to the
> 2000A Key-In connector. The 2000A Key-Out is NOT used.
>
> I sent the write-up to Paul Clinton (Service Mgr) at Ten-Tec -- He
> heard about the problem from a couple of us and is very much
> interested in fixing the problem.
>
>
> 73 de Bill, K5YG
>

4431. Re: [acom-list] EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 15:30:26 UTC
From: Hans Remeeus
Topic: 4429 Message: 4431

I fully agree with Marty his opinion about the excellent EBS
modification. After daily and sometimes intensive use of my 7 years old
Acom 2000A the reports I got are excellent, with noticable improvement
of my transmitted audio compared to before the modification. No problem
with extended heat or other problems.

Strongly recommended!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 4:53, kamarty456 schreef:
> I did the EBS modification back in February of 2011.
> You can do a search to read all the discussions etc.
> I believe message # 3938 is a good starting point.
> Also look in the file section for specific instructions
>
> The purpose of this post is to simply let you all know the 2000A
> is working flawlessly and has not hick-cupped or skipped a beat!
>
> For those of you still deciding about jumping and and doing the EBS
> modification, I say "go for it"
>
> Not to be overly critical, I have heard a number of ACOM 2000A
> amplifiers of various vintages and in the SSB mode I have heard
> the bias crunch on certain words and syllables. Even those used with strident narrow band
SSB audio exhibited the crunch.
>
> The crunch sounds like someone crinkling up paper or RFI
>
> My amp is around 11 years old [how time flies!!!]
>
> Especially for those of you using SSB fidelity [ESSB/essb]
> this modification is perfect!
>
> regards,
>
> Martin KA7GKN
>
>
>
> ------------------------------------
>

> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4432. RE: [acom-list] EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 16:51:31 UTC
From: Ron Castro
Topic: 4429 Message: 4432

I have been reading about the EBS modification. Do newer ACOM 2000A's need the modification or has the factory changed the circuit so it is not needed?

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hans Remeeus
Sent: Tuesday, October 18, 2011 8:30 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS electronic bias user update

I fully agree with Marty his opinion about the excellent EBS modification. After daily and sometimes intensive use of my 7 years old Acom 2000A the reports I got are excellent, with noticable improvement of my transmitted audio compared to before the modification. No problem with extended heat or other problems.

Strongly recommended!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 4:53, kamarty456 schreef:
> I did the EBS modification back in February of 2011.
> You can do a search to read all the discussions etc.
> I believe message # 3938 is a good starting point.
> Also look in the file section for specific instructions
>
> The purpose of this post is to simply let you all know the 2000A is
> working flawlessly and has not hick-cupped or skipped a beat!
>
> For those of you still deciding about jumping and and doing the EBS
> modification, I say "go for it"
>
> Not to be overly critical, I have heard a number of ACOM 2000A
> amplifiers of various vintages and in the SSB mode I have heard the
> bias crunch on certain words and syllables. Even those used with strident

narrow band SSB audio exhibited the crunch.
>
> The crunch sounds like someone crinkling up paper or RFI
>
> My amp is around 11 years old [how time flies!!!]
>
> Especially for those of you using SSB fidelity [ESSB/essb] this
> modification is perfect!
>
> regards,
>
> Martin KA7GKN
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4433. EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 17:09:00 UTC
From: W1JCW
Topic: 4429 Message: 4433

Is this mod easily done by the end user or do you need to ship your amp in for service ?

73-
W1JCW
John

[Non-text portions of this message have been removed]

4434. Re: EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 18:09:04 UTC
From: kamarty456
Topic: 4429 Message: 4434

I doubt this is an ACOM factory authorized modification.
Thus YOU must do it, and it's not difficult.

Review the EBS modification files well represented from HANS!

You do not need to get into the high voltage section of the amp.
The modification is done on the front panel control board.

The files section provides information on old and newer control
boards...photos included!

On newer boards you simply add a small jumper wire directly on
the circuit board.
On older boards you simply add a jumper wire across a resistor.

I have an older control board and added a short jumper across a resistor.

The EBS mod files explain in specific detail how to accomplish
this modification.

I believe even the newer amplifiers come factory made WITH
the electronic bias [EBS] engaged.

Martin KA7GKN

--- In acom-list@yahoogroups.com, "W1JCW" <w1jcw@...> wrote:
>
> Is this mod easily done by the end user or do you need to ship your amp in for service ?
>
> 73-
> W1JCW
> John
>
> [Non-text portions of this message have been removed]
>

4435. Re: [acom-list] EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 18:18:11 UTC
From: Mel Whitten
Topic: 4429 Message: 4435

Martin,
I don't believe there would be any benefit for modes using FDM or OFDM (digital voice) to make this mod?
Mel, K0PFX
www.melwhitten.com

----- Original Message -----
From: kamarty456
To: acom-list@yahoogroups.com
Sent: Monday, October 17, 2011 9:53 PM
Subject: [acom-list] EBS electronic bias user update

I did the EBS modification back in February of 2011.
You can do a search to read all the discussions etc.
I believe message # 3938 is a good starting point.
Also look in the file section for specific instructions

The purpose of this post is to simply let you all know the 2000A
is working flawlessly and has not hick-cupped or skipped a beat!

For those of you still deciding about jumping and and doing the EBS
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amplifiers of various vintages and in the SSB mode I have heard
the bias crunch on certain words and syllables. Even those used with strident narrow band SSB audio exhibited the crunch.

The crunch sounds like someone crinkling up paper or RFI

My amp is around 11 years old [how time flies!!!]

Especially for those of you using SSB fidelity [ESSB/essb]
this modification is perfect!

regards,

Martin KA7GKN

[Non-text portions of this message have been removed]

4436. Re: [acom-list] Re: EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-18 18:26:45 UTC
From: Barry N1EU
Topic: 4429 Message: 4436

On Tue, Oct 18, 2011 at 2:09 PM, kamarty456 <martins160@...> wrote:

> **
>
>
> On newer boards you simply add a small jumper wire directly on
> the circuit board.
> On older boards you simply add a jumper wire across a resistor.
>
> You should also add external fan, correct?

Any recommendations for the external fan, especially one that is quiet and fits properly?

Thanks & 73, Barry N1EU

[Non-text portions of this message have been removed]

4437. EBS electronic bias instructions / pics ??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 01:07:56 UTC
From: W1JCW
Topic: 4429 Message: 4437

Are there pics or instructions for this mod ?

73-
W1JCW
John

[Non-text portions of this message have been removed]

4438. Re: [acom-list] EBS electronic bias instructions / pics ??

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 05:08:55 UTC
From: Hans Remeeus
Topic: 4429 Message: 4438

Hello John,

Here you find the instructions with photos of the EBS-modification (and
installation of the optional fan):

http://www.remeeus.eu/ham-radio/linear-amplifiers/acom-2000a-ebs-modification-and-installa
tion-of-the-optional-fan.html

Or shorter: http://alturl.com/tnosy

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-10-2011 3:07, W1JCW schreef:
> Are there pics or instructions for this mod ?
>
> 73-
> W1JCW
> John
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4439. Re: [acom-list] Re: EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 05:27:12 UTC
From: Hans Remeeus
Topic: 4429 Message: 4439

Hello Barry,

I would recommend the 12V Papst 4412 F/2GLLL IBL (IBL stands for
IchBinLeise) with only 16 dB(A) sound.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 20:26, Barry N1EU schreef:
> On Tue, Oct 18, 2011 at 2:09 PM, kamarty456<martins160@...> wrote:
>
>> **
>>
>>
>> On newer boards you simply add a small jumper wire directly on
>> the circuit board.
>> On older boards you simply add a jumper wire across a resistor.
>>
>> You should also add external fan, correct?
> Any recommendations for the external fan, especially one that is quiet and
> fits properly?
>
> Thanks& 73, Barry N1EU
>
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4440. Re: [acom-list] EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 05:27:37 UTC
From: Hans Remeeus
Topic: 4429 Message: 4440

Hello John,

IMHO this mod can easily be done by the end user.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 19:09, W1JCW schreef:
> Is this mod easily done by the end user or do you need to ship your amp in for service ?
>
> 73-
> W1JCW
> John
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4441. Re: [acom-list] EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 05:42:49 UTC
From: Hans Remeeus
Topic: 4429 Message: 4441

Hello Ron,

As far as I know all the Acom 2000A linear amplifiers standard have the EBS enabled and therefore suffer the EBS-crunch during voice transmissions. You can easily see it on the display of the RCU; when during voice transmissions you notice a variation of the BIAS between -124V, -75V and -52V, then you have the EBS enabled. After the EBS-modification the BIAS is fixed at -52V during transmit and -124V in standby.

The Voltages of course may vary a little bit, e.g. -122, -123 or -124V, depending on your mains Voltage.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 18:51, Ron Castro schreef:
> I have been reading about the EBS modification. Do newer ACOM 2000A's need
> the modification or has the factory changed the circuit so it is not needed?
>
> Ron Castro
> N6IE
> www.N6IE.com
> Member:
> REDXA NCCC
> NCDXF ARRL
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Hans Remeeus
> Sent: Tuesday, October 18, 2011 8:30 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update
>
>
> I fully agree with Marty his opinion about the excellent EBS modification.
> After daily and sometimes intensive use of my 7 years old Acom 2000A the
> reports I got are excellent, with noticable improvement of my transmitted
> audio compared to before the modification. No problem with extended heat or
> other problems.
>
> Strongly recommended!

>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 18-10-2011 4:53, kamarty456 schreef:
>> I did the EBS modification back in February of 2011.
>> You can do a search to read all the discussions etc.
>> I believe message # 3938 is a good starting point.
>> Also look in the file section for specific instructions
>>
>> The purpose of this post is to simply let you all know the 2000A is
>> working flawlessly and has not hick-cupped or skipped a beat!
>>
>> For those of you still deciding about jumping and and doing the EBS
>> modification, I say "go for it"
>>
>> Not to be overly critical, I have heard a number of ACOM 2000A
>> amplifiers of various vintages and in the SSB mode I have heard the
>> bias crunch on certain words and syllables. Even those used with strident
> narrow band SSB audio exhibited the crunch.
>> The crunch sounds like someone crinkling up paper or RFI
>>
>> My amp is around 11 years old [how time flies!!!]
>>
>> Especially for those of you using SSB fidelity [ESSB/essb] this
>> modification is perfect!
>>
>> regards,
>>
>> Martin KA7GKN
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[Non-text portions of this message have been removed]

4442. EBS electronic bias user update

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 12:27:25 UTC
From: W1JCW
Topic: 4429 Message: 4442

Roger that..

Thanks

From: Hans Remeeus
Sent: Wednesday, October 19, 2011 12:27 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS electronic bias user update

Hello John,

IMHO this mod can easily be done by the end user.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 19:09, W1JCW schreef:
> Is this mod easily done by the end user or do you need to ship your amp in for service ?
>
> 73-
> W1JCW
> John
>

[Non-text portions of this message have been removed]

4443. RE: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 12:44:10 UTC
From: Bob Naumann
Topic: 4443 Message: 4443

As many of you know, Array Solutions is an authorized Acom dealer here in the USA.

Recently, I have received telephone calls from potential customers asking if this "crunch" noted by "hi-fi" operators is a design flaw with the Acom 2000A.

As this modification has gotten a lot of publicity, I wanted to get the facts to make some points very clear so I posed some specific questions to Acom in Bulgaria:

****

Q: Am I correct that Acom DOES NOT recommend this procedure?

Acom: Yes

Q: If someone performs this modification do they VOID THEIR WARRANTY?

Acom: Yes

Q: I understand that these "audiophile" and "Hi-Fi" audio types think this makes a difference in their audio quality, but does it really do what they claim?
And, is what they claim a problem with the original design of the 2000A?

Acom: It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback.

****

So, please be aware that Acom does not recommend this modification, and making this modification to your amp will void the warranty.

Acom's position is that the modification is not necessary and the compromise resulting in reduced heating is a good design choice for their amplifier. If you are a "hi-fi" type of operator and this "crunch" is an issue for you, then by all means go ahead and modify your amp - but keep in mind that you will void the warranty on your amplifier by doing so.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hans Remeeus
Sent: Wednesday, October 19, 2011 12:43 AM

To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS electronic bias user update

Hello Ron,

As far as I know all the Acom 2000A linear amplifiers standard have the EBS enabled and therefore suffer the EBS-crunch during voice transmissions. You can easily see it on the display of the RCU; when during voice transmissions you notice a variation of the BIAS between -124V, -75V and -52V, then you have the EBS enabled. After the EBS-modification the BIAS is fixed at -52V during transmit and -124V in standby.

The Voltages of course may vary a little bit, e.g. -122, -123 or -124V, depending on your mains Voltage.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 18-10-2011 18:51, Ron Castro schreef:
> I have been reading about the EBS modification. Do newer ACOM 2000A's need
> the modification or has the factory changed the circuit so it is not needed?
>
> Ron Castro
> N6IE
> www.N6IE.com
> Member:
> REDXA NCCC
> NCDXF ARRL
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Hans Remeeus
> Sent: Tuesday, October 18, 2011 8:30 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update
>
>
> I fully agree with Marty his opinion about the excellent EBS modification.
> After daily and sometimes intensive use of my 7 years old Acom 2000A the
> reports I got are excellent, with noticable improvement of my transmitted
> audio compared to before the modification. No problem with extended heat or
> other problems.

>
> Strongly recommended!
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
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>
>
> Op 18-10-2011 4:53, kamarty456 schreef:
>> I did the EBS modification back in February of 2011.
>> You can do a search to read all the discussions etc.
>> I believe message # 3938 is a good starting point.
>> Also look in the file section for specific instructions
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>> The purpose of this post is to simply let you all know the 2000A is
>> working flawlessly and has not hick-cupped or skipped a beat!
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>> For those of you still deciding about jumping and and doing the EBS
>> modification, I say "go for it"
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>> Not to be overly critical, I have heard a number of ACOM 2000A
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> narrow band SSB audio exhibited the crunch.
>> The crunch sounds like someone crinkling up paper or RFI
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>> My amp is around 11 years old [how time flies!!!]
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>> Especially for those of you using SSB fidelity [ESSB/essb] this
>> modification is perfect!
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>> regards,
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>> Martin KA7GKN
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

4444. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 13:09:21 UTC
From: Paul Christensen
Topic: 4443 Message: 4444

> Q: I understand that these "audiophile" and "Hi-Fi" audio types think this makes a difference in their audio quality, but does it really do what they claim? And, is what they claim a problem with the original design of the 2000A?

This issue is not related to only "Hi-Fi Audio." The change in class as the amp steps through its tri-state bias occurs regardless of transmitted SSB bandwidth. What has happened is that certain Hi-Fi audio ops have noticed the effect more acutely than other operators. This affect is not limited to ACOM. Several amps have dynamic EBS systems although their bias points may be different.

Paul, W9AC

[Non-text portions of this message have been removed]

4445. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 13:20:48 UTC
From: Barry N1EU
Topic: 4443 Message: 4445

After listening to PA1HR's before and after recordings in the Files section
(
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/),
I really think the issue bears further investigation - if Acom is unwilling
to investigate the full OTA ramifications of their bias compromise than I
guess it's on us Acom owners to do so and produce more recordings. It's
premature to label this a "hi-fi" issue and dismiss it. I would hate to
think that my tx audio is subject to the amplitude perturbations that I hear
in PA1HR's before recording.

73, Barry N1EU

On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:

> **
>
>
> As many of you know, Array Solutions is an authorized Acom dealer here in
> the USA.
>
> Recently, I have received telephone calls from potential customers asking
> if
> this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> 2000A.
>
> As this modification has gotten a lot of publicity, I wanted to get the
> facts to make some points very clear so I posed some specific questions to
> Acom in Bulgaria:
>
> **********
>
> Q: Am I correct that Acom DOES NOT recommend this procedure?
>
> Acom: Yes
>
> Q: If someone performs this modification do they VOID THEIR WARRANTY?
>
> Acom: Yes
>
> Q: I understand that these "audiophile" and "Hi-Fi" audio types think this
> makes a difference in their audio quality, but does it really do what they
> claim?
> And, is what they claim a problem with the original design of the 2000A?
>
> Acom: It is a compromise between the temperature regime and quality, such
> like running class AB and A for instance. Not a drawback.

>
> **
>
> So, please be aware that Acom does not recommend this modification, and
> making this modification to your amp will void the warranty.
>
> Acom's position is that the modification is not necessary and the
> compromise
> resulting in reduced heating is a good design choice for their amplifier.
> If
> you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> then by all means go ahead and modify your amp - but keep in mind that you
> will void the warranty on your amplifier by doing so.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Hans Remeeus
> Sent: Wednesday, October 19, 2011 12:43 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update
>
> Hello Ron,
>
> As far as I know all the Acom 2000A linear amplifiers standard have the
> EBS enabled and therefore suffer the EBS-crunch during voice
> transmissions. You can easily see it on the display of the RCU; when
> during voice transmissions you notice a variation of the BIAS between
> -124V, -75V and -52V, then you have the EBS enabled. After the
> EBS-modification the BIAS is fixed at -52V during transmit and -124V in
> standby.
>
> The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
> depending on your mains Voltage.
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
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> Communication is about people, the rest is technology.
>
> Op 18-10-2011 18:51, Ron Castro schreef:
> > I have been reading about the EBS modification. Do newer ACOM 2000A's
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> > the modification or has the factory changed the circuit so it is not

> needed?
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> > Ron Castro
> > N6IE
> > www.N6IE.com
> > Member:
> > REDXA NCCC
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> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
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> > audio compared to before the modification. No problem with extended heat
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> > other problems.
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> > Strongly recommended!
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> >> You can do a search to read all the discussions etc.
> >> I believe message # 3938 is a good starting point.
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> >> The purpose of this post is to simply let you all know the 2000A is
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> >> My amp is around 11 years old [how time flies!!!]
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> >> Especially for those of you using SSB fidelity [ESSB/essb] this
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[Non-text portions of this message have been removed]

4446. RE: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 13:37:54 UTC
From: Bob Naumann
Topic: 4443 Message: 4446

Barry,

Acom is not "unwilling" to investigate. This is a mis-characterization.

To the contrary, their statement is as I reported after fully evaluating the potential impact of this modification.

To them, this is a complete non-issue and the compromise of the bias switching is a prudent design trade-off of reducing heat.

Some people may disagree and that is their right to do so. However, characterizing this as a defect is not correct.

It is a design decision which weighs out the alternatives, and reduced heating takes priority here.

Acom's perspective is clear however, and they do not recommend that anyone make this modification to their amplifiers.

Individual amplifier owners can of course make their own decisions.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Wednesday, October 19, 2011 8:21 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS electronic bias user update - Acom comments

After listening to PA1HR's before and after recordings in the Files section
(
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/),
I really think the issue bears further investigation - if Acom is unwilling
to investigate the full OTA ramifications of their bias compromise than I
guess it's on us Acom owners to do so and produce more recordings. It's
premature to label this a "hi-fi" issue and dismiss it. I would hate to
think that my tx audio is subject to the amplitude perturbations that I hear
in PA1HR's before recording.

73, Barry N1EU

On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:

> **
>
>

> As many of you know, Array Solutions is an authorized Acom dealer here in
> the USA.
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> Recently, I have received telephone calls from potential customers asking
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> this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> 2000A.
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> As this modification has gotten a lot of publicity, I wanted to get the
> facts to make some points very clear so I posed some specific questions to
> Acom in Bulgaria:
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> Q: Am I correct that Acom DOES NOT recommend this procedure?
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> Acom: Yes
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> Q: If someone performs this modification do they VOID THEIR WARRANTY?
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> Acom: Yes
>
> Q: I understand that these "audiophile" and "Hi-Fi" audio types think this
> makes a difference in their audio quality, but does it really do what they
> claim?
> And, is what they claim a problem with the original design of the 2000A?
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> Acom: It is a compromise between the temperature regime and quality, such
> like running class AB and A for instance. Not a drawback.
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> So, please be aware that Acom does not recommend this modification, and
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> you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> then by all means go ahead and modify your amp - but keep in mind that you
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> 73,
>
> Bob W5OV
> Array Solutions
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

> Behalf
> Of Hans Remeeus
> Sent: Wednesday, October 19, 2011 12:43 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update
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> Hello Ron,
>
> As far as I know all the Acom 2000A linear amplifiers standard have the
> EBS enabled and therefore suffer the EBS-crunch during voice
> transmissions. You can easily see it on the display of the RCU; when
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> -124V, -75V and -52V, then you have the EBS enabled. After the
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> standby.
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> The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
> depending on your mains Voltage.
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> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
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> >> You can do a search to read all the discussions etc.
> >> I believe message # 3938 is a good starting point.
> >> Also look in the file section for specific instructions
> >>
> >> The purpose of this post is to simply let you all know the 2000A is
> >> working flawlessly and has not hick-cupped or skipped a beat!
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> >> For those of you still deciding about jumping and and doing the EBS
> >> modification, I say "go for it"
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> >> Not to be overly critical, I have heard a number of ACOM 2000A
> >> amplifiers of various vintages and in the SSB mode I have heard the
> >> bias crunch on certain words and syllables. Even those used with
> strident
> > narrow band SSB audio exhibited the crunch.
> >> The crunch sounds like someone crinkling up paper or RFI
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> >> My amp is around 11 years old [how time flies!!!]
> >>
> >> Especially for those of you using SSB fidelity [ESSB/essb] this
> >> modification is perfect!
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> >> regards,
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> >> Martin KA7GKN
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Yahoo! Groups Links

4447. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 13:42:40 UTC
From: Paul Christensen
Topic: 4443 Message: 4447

Bob,

Not sure if a firmware update could handle this but if the hooks are in place, an operator could select the type of bias desired from the RCU's menu. This would eliminate any hardware mods by the user or factory, preserve warranty, etc.

Paul, W9AC

----- Original Message -----
From: Bob Naumann
To: acom-list@yahoogroups.com
Sent: Wednesday, October 19, 2011 9:37 AM
Subject: RE: [acom-list] EBS electronic bias user update - Acom comments

Barry,

Acom is not "unwilling" to investigate. This is a mis-characterization.

To the contrary, their statement is as I reported after fully evaluating the potential impact of this modification.

To them, this is a complete non-issue and the compromise of the bias switching is a prudent design trade-off of reducing heat.

Some people may disagree and that is their right to do so. However, characterizing this as a defect is not correct.

It is a design decision which weighs out the alternatives, and reduced heating takes priority here.

Acom's perspective is clear however, and they do not recommend that anyone make this modification to their amplifiers.

Individual amplifier owners can of course make their own decisions.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Wednesday, October 19, 2011 8:21 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS electronic bias user update - Acom comments

After listening to PA1HR's before and after recordings in the Files section
(
http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/),
I really think the issue bears further investigation - if Acom is unwilling

to investigate the full OTA ramifications of their bias compromise than I guess it's on us Acom owners to do so and produce more recordings. It's premature to label this a "hi-fi" issue and dismiss it. I would hate to think that my tx audio is subject to the amplitude perturbations that I hear in PA1HR's before recording.

73, Barry N1EU

On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:

> **
>
>
> As many of you know, Array Solutions is an authorized Acom dealer here in
> the USA.
>
> Recently, I have received telephone calls from potential customers asking
> if
> this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> 2000A.
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> As this modification has gotten a lot of publicity, I wanted to get the
> facts to make some points very clear so I posed some specific questions to
> Acom in Bulgaria:
>
> **********
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> Q: Am I correct that Acom DOES NOT recommend this procedure?
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> Acom: Yes
>
> Q: If someone performs this modification do they VOID THEIR WARRANTY?
>
> Acom: Yes
>
> Q: I understand that these "audiophile" and "Hi-Fi" audio types think this
> makes a difference in their audio quality, but does it really do what they
> claim?
> And, is what they claim a problem with the original design of the 2000A?
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> Acom: It is a compromise between the temperature regime and quality, such
> like running class AB and A for instance. Not a drawback.
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> So, please be aware that Acom does not recommend this modification, and
> making this modification to your amp will void the warranty.
>
> Acom's position is that the modification is not necessary and the
> compromise
> resulting in reduced heating is a good design choice for their amplifier.

> If
> you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> then by all means go ahead and modify your amp - but keep in mind that you
> will void the warranty on your amplifier by doing so.
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> 73,
>
> Bob W5OV
> Array Solutions
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> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Hans Remeeus
> Sent: Wednesday, October 19, 2011 12:43 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update
>
> Hello Ron,
>
> As far as I know all the Acom 2000A linear amplifiers standard have the
> EBS enabled and therefore suffer the EBS-crunch during voice
> transmissions. You can easily see it on the display of the RCU; when
> during voice transmissions you notice a variation of the BIAS between
> -124V, -75V and -52V, then you have the EBS enabled. After the
> EBS-modification the BIAS is fixed at -52V during transmit and -124V in
> standby.
>
> The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
> depending on your mains Voltage.
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> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
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> Op 18-10-2011 18:51, Ron Castro schreef:
> > I have been reading about the EBS modification. Do newer ACOM 2000A's
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> > Ron Castro
> > N6IE
> > www.N6IE.com
> > Member:
> > REDXA NCCC
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> > Sent: Tuesday, October 18, 2011 8:30 AM
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> > I fully agree with Marty his opinion about the excellent EBS
> modification.
> > After daily and sometimes intensive use of my 7 years old Acom 2000A the
> > reports I got are excellent, with noticable improvement of my transmitted
> > audio compared to before the modification. No problem with extended heat
> or
> > other problems.
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> > Strongly recommended!
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4448. EBS - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 13:43:01 UTC
From: W1JCW
Topic: 4443 Message: 4448

Yes I'm aware that Array services Acom products.

This became so after I purchased my 2K which I was pleasantly surprised.

Jay and the guys at Array are easy to talk with and helpful.

I don't expect issues with my 2K but if I needed help they are 15 miles from my home yeah me !

I love my Acom and wouldn't buy anything else.

73-
W1JCW
John

From: Bob Naumann
Sent: Wednesday, October 19, 2011 7:44 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] EBS electronic bias user update - Acom comments

As many of you know, Array Solutions is an authorized Acom dealer here in the USA.

Recently, I have received telephone calls from potential customers asking if this "crunch" noted by "hi-fi" operators is a design flaw with the Acom 2000A.

As this modification has gotten a lot of publicity, I wanted to get the facts to make some points very clear so I posed some specific questions to Acom in Bulgaria:

****

Q: Am I correct that Acom DOES NOT recommend this procedure?

Acom: Yes

Q: If someone performs this modification do they VOID THEIR WARRANTY?

Acom: Yes

Q: I understand that these "audiophile" and "Hi-Fi" audio types think this makes a difference in their audio quality, but does it really do what they claim?
And, is what they claim a problem with the original design of the 2000A?

Acom: It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback.

****

So, please be aware that Acom does not recommend this modification, and making this modification to your amp will void the warranty.

Acom's position is that the modification is not necessary and the compromise resulting in reduced heating is a good design choice for their amplifier. If you are a "hi-fi" type of operator and this "crunch" is an issue for you, then by all means go ahead and modify your amp - but keep in mind that you will void the warranty on your amplifier by doing so.

73,

Bob W5OV
Array Solutions

[Non-text portions of this message have been removed]

4449. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 13:50:06 UTC
From: Barry N1EU
Topic: 4443 Message: 4449

Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is unwilling to investigate".

If PA1HR's before recording is truly representative of the 2000A units in the field, why wouldn't there be more investigation? I think we at least need to know if we are all sounding like this or not. I think we need more OTA tests/recordings, perhaps with some guidance from Hans, Marty, and others on how to record the phenomenon (or lack thereof).

I think it's quite possible that the average 2000A displays much lower level of artifacts than in PA1HR's recording, but shouldn't we investigate and find out?

73, Barry N1EU

On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann <W5OV@...> wrote:

> **
>
>
> Barry,
>
> Acom is not "unwilling" to investigate. This is a mis-characterization.
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> To the contrary, their statement is as I reported after fully evaluating
> the potential impact of this modification.
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> To them, this is a complete non-issue and the compromise of the bias
> switching is a prudent design trade-off of reducing heat.
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> Some people may disagree and that is their right to do so. However,
> characterizing this as a defect is not correct.
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> It is a design decision which weighs out the alternatives, and reduced
> heating takes priority here.
>
> Acom's perspective is clear however, and they do not recommend that anyone
> make this modification to their amplifiers.
>
> Individual amplifier owners can of course make their own decisions.
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> 73,
>
> Bob W5OV
>
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:21 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
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> After listening to PA1HR's before and after recordings in the Files section
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> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of Hans Remeeus
> > Sent: Wednesday, October 19, 2011 12:43 AM
> > To: acom-list@yahoogroups.com
> > Subject: Re: [acom-list] EBS electronic bias user update
> >
> > Hello Ron,
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> > As far as I know all the Acom 2000A linear amplifiers standard have the
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4450. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 14:02:14 UTC
From: Hans Remeeus
Topic: 4443 Message: 4450

Hello Bob,

Thanks for the info.

I had some correspondence with Acom too about this item, before I did
the mod. But my 2000A was out of warranty anyway.

Yeasu never modified the keyclicks of their 1000MP series, in all these
years they were on the market. Modified MP's officially lost their
warranty too. I did the mod in all my MP's (the basic, Mark-V's (I had
two of them) and Field). I like clean signals coming from my
transceivers; CW and SSB.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-10-2011 14:44, Bob Naumann schreef:
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>>> The crunch sounds like someone crinkling up paper or RFI
>>>
>>> My amp is around 11 years old [how time flies!!!]
>>>
>>> Especially for those of you using SSB fidelity [ESSB/essb] this
>>> modification is perfect!
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>>> regards,
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>>> Martin KA7GKN
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>>> Yahoo! Groups Links
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>> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4451. RE: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 14:05:30 UTC
From: Bob Naumann
Topic: 4443 Message: 4451

I apologize if I was not clear enough.

Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of this modification.

To be more practical about it: How many reports of bad audio have you received from this with your amplifier?

I bet that just like me and 99.9% of the other 2000A owners out there - you have received no reports of bad audio. This is Acom's point.

Again, Acom said: "It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback".

Bottom line for me, and for Acom, this is a non-issue.

73,

Bob W5OV

-----Original Message-----
From: acom-list@...m [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Wednesday, October 19, 2011 8:50 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS electronic bias user update - Acom comments

Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is unwilling to investigate".

If PA1HR's before recording is truly representative of the 2000A units in the field, why wouldn't there be more investigation? I think we at least need to know if we are all sounding like this or not. I think we need more OTA tests/recordings, perhaps with some guidance from Hans, Marty, and others on how to record the phenomenon (or lack thereof).

I think it's quite possible that the average 2000A displays much lower level of artifacts than in PA1HR's recording, but shouldn't we investigate and find out?

73, Barry N1EU

On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann <W5OV@...> wrote:

> **
>
>
> Barry,
>

> Acom is not "unwilling" to investigate. This is a mis-characterization.
>
> To the contrary, their statement is as I reported after fully evaluating
> the potential impact of this modification.
>
> To them, this is a complete non-issue and the compromise of the bias
> switching is a prudent design trade-off of reducing heat.
>
> Some people may disagree and that is their right to do so. However,
> characterizing this as a defect is not correct.
>
> It is a design decision which weighs out the alternatives, and reduced
> heating takes priority here.
>
> Acom's perspective is clear however, and they do not recommend that anyone
> make this modification to their amplifiers.
>
> Individual amplifier owners can of course make their own decisions.
>
> 73,
>
> Bob W5OV
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:21 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>
> After listening to PA1HR's before and after recordings in the Files section
> (
>
> http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
>),
> I really think the issue bears further investigation - if Acom is unwilling
> to investigate the full OTA ramifications of their bias compromise than I
> guess it's on us Acom owners to do so and produce more recordings. It's
> premature to label this a "hi-fi" issue and dismiss it. I would hate to
> think that my tx audio is subject to the amplitude perturbations that I
> hear
> in PA1HR's before recording.
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> 73, Barry N1EU
>
> On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:
>
> > **
>

> >
> >
> > As many of you know, Array Solutions is an authorized Acom dealer here in
> > the USA.
> >
> > Recently, I have received telephone calls from potential customers asking
> > if
> > this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> > 2000A.
> >
> > As this modification has gotten a lot of publicity, I wanted to get the
> > facts to make some points very clear so I posed some specific questions
> to
> > Acom in Bulgaria:
> >
> > **********
> >
> > Q: Am I correct that Acom DOES NOT recommend this procedure?
> >
> > Acom: Yes
> >
> > Q: If someone performs this modification do they VOID THEIR WARRANTY?
> >
> > Acom: Yes
> >
> > Q: I understand that these "audiophile" and "Hi-Fi" audio types think
> this
> > makes a difference in their audio quality, but does it really do what
> they
> > claim?
> > And, is what they claim a problem with the original design of the 2000A?
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> > Acom: It is a compromise between the temperature regime and quality, such
> > like running class AB and A for instance. Not a drawback.
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> >
> > So, please be aware that Acom does not recommend this modification, and
> > making this modification to your amp will void the warranty.
> >
> > Acom's position is that the modification is not necessary and the
> > compromise
> > resulting in reduced heating is a good design choice for their amplifier.
> > If
> > you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> > then by all means go ahead and modify your amp - but keep in mind that
> you
> > will void the warranty on your amplifier by doing so.
> >
> > 73,

> >
> > Bob W5OV
> > Array Solutions
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of Hans Remeeus
> > Sent: Wednesday, October 19, 2011 12:43 AM
> > To: acom-list@yahoogroups.com
> > Subject: Re: [acom-list] EBS electronic bias user update
> >
> > Hello Ron,
> >
> > As far as I know all the Acom 2000A linear amplifiers standard have the
> > EBS enabled and therefore suffer the EBS-crunch during voice
> > transmissions. You can easily see it on the display of the RCU; when
> > during voice transmissions you notice a variation of the BIAS between
> > -124V, -75V and -52V, then you have the EBS enabled. After the
> > EBS-modification the BIAS is fixed at -52V during transmit and -124V in
> > standby.
> >
> > The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
> > depending on your mains Voltage.
> >
> > 73,
> > Hans Remeeus (PA1HR)
> > http://www.remeeus.eu
> > http://www.hansremeeus.nl
> > Communication is about people, the rest is technology.
> >
> > Op 18-10-2011 18:51, Ron Castro schreef:
> > > I have been reading about the EBS modification. Do newer ACOM 2000A's
> > need
> > > the modification or has the factory changed the circuit so it is not
> > needed?
> > >
> > > Ron Castro
> > > N6IE
> > > www.N6IE.com
> > > Member:
> > > REDXA NCCC
> > > NCDXF ARRL
> > >
> > >
> > > -----Original Message-----
> > > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > > Of Hans Remeeus
> > > Sent: Tuesday, October 18, 2011 8:30 AM

> > > To: acom-list@yahoogroups.com
> > > Subject: Re: [acom-list] EBS electronic bias user update
> > >
> > >
> > > I fully agree with Marty his opinion about the excellent EBS
> > modification.
> > > After daily and sometimes intensive use of my 7 years old Acom 2000A
> the
> > > reports I got are excellent, with noticable improvement of my
> transmitted
> > > audio compared to before the modification. No problem with extended
> heat
> > or
> > > other problems.
> > >
> > > Strongly recommended!
> > >
> > >
> > > 73,
> > > Hans Remeeus (PA1HR)
> > > http://www.remeeus.eu
> > > http://www.hansremeeus.nl
> > > Communication is about people, the rest is technology.
> > >
> > >
> > >
> > > Op 18-10-2011 4:53, kamarty456 schreef:
> > >> I did the EBS modification back in February of 2011.
> > >> You can do a search to read all the discussions etc.
> > >> I believe message # 3938 is a good starting point.
> > >> Also look in the file section for specific instructions
> > >>
> > >> The purpose of this post is to simply let you all know the 2000A is
> > >> working flawlessly and has not hick-cupped or skipped a beat!
> > >>
> > >> For those of you still deciding about jumping and and doing the EBS
> > >> modification, I say "go for it"
> > >>
> > >> Not to be overly critical, I have heard a number of ACOM 2000A
> > >> amplifiers of various vintages and in the SSB mode I have heard the
> > >> bias crunch on certain words and syllables. Even those used with
> > strident
> > > narrow band SSB audio exhibited the crunch.
> > >> The crunch sounds like someone crinkling up paper or RFI
> > >>
> > >> My amp is around 11 years old [how time flies!!!]
> > >>
> > >> Especially for those of you using SSB fidelity [ESSB/essb] this
> > >> modification is perfect!
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> > >> Martin KA7GKN
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Yahoo! Groups Links

4452. Acom 2000A and 2000SW/2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 16:51:08 UTC
From: georgek5kg@aol.com
Topic: 4452 Message: 4452

I use my Acom 2000A with the Acom 2000SW/2000S automatic antenna switch, and have a problem. The problem is that occasionally when changing from one band to another, the switch will select the wrong antenna.

Let me paint the picture:
Tribander for 10-15-20 on position 1
40m antenna on position 2
80m antenna on position 3

The amp has been "trained" to recognize these antennas on these bands. I can QSY from band to band, and the switch will select the correct antenna.....most of the time! Occasionally, however, when changing bands, the switch will switch to an incorrect antenna. I have been investigating this problem for some time, and I cannot find any pattern of switching from one band to another that causes the incorrect switching.

When I change bands and tune the amp, I do it by changing the band on the transceiver, and hit a dit on the key, or an "uh" in the mic. If the correct antennas is selected by the switch, the amp tunes just fine. If the incorrect antenna is selected by the switch, the amp will fault off due to high vswr on the incorrect antenna (as is expected).

Here are more details. The transceiver is a K3. All antennas are resonant on their bands and do not have vswr problems. I put ferrites on the DB9 control cable from the 2000S to the amp. I do not have a computer connected to the 2000S. The shack is well grounded an free of stray RF.

I am looking for input on this problem, especially from anyone who is using a 2000A with the 2000SW/S.

Thanks, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

[Non-text portions of this message have been removed]

4453. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 17:15:12 UTC
From: Hans Remeeus
Topic: 4443 Message: 4453

Hello Bob,

The temperature regime indeed is a non-issue. After the EBS-mod I did
not notice any rise in the Acom 2000S's temperature, even not during 24
hours contesting.
My modulation however was significantly improved after the mod.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-10-2011 16:05, Bob Naumann schreef:
> I apologize if I was not clear enough.
>
> Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of this modification.
>
> To be more practical about it: How many reports of bad audio have you received from this with your amplifier?
>
> I bet that just like me and 99.9% of the other 2000A owners out there - you have received no reports of bad audio. This is Acom's point.
>
> Again, Acom said: "It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback".
>
> Bottom line for me, and for Acom, this is a non-issue.
>
> 73,
>
> Bob W5OV
>
> -----Original Message-----
> From:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:50 AM
> To:acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>
> Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is
> unwilling to investigate".
>
> If PA1HR's before recording is truly representative of the 2000A units in
> the field, why wouldn't there be more investigation? I think we at least

> need to know if we are all sounding like this or not. I think we need more
> OTA tests/recordings, perhaps with some guidance from Hans, Marty, and
> others on how to record the phenomenon (or lack thereof).
>
> I think it's quite possible that the average 2000A displays much lower level
> of artifacts than in PA1HR's recording, but shouldn't we investigate and
> find out?
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> 73, Barry N1EU
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> On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann<W5OV@...> wrote:
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>> the potential impact of this modification.
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>> To them, this is a complete non-issue and the compromise of the bias
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>> It is a design decision which weighs out the alternatives, and reduced
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>> Acom's perspective is clear however, and they do not recommend that anyone
>> make this modification to their amplifiers.
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>> Individual amplifier owners can of course make their own decisions.
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>> Bob W5OV
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>> From:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf Of Barry N1EU
>> Sent: Wednesday, October 19, 2011 8:21 AM
>> To:acom-list@yahoogroups.com
>> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>>

>> After listening to PA1HR's before and after recordings in the Files section
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>>> As many of you know, Array Solutions is an authorized Acom dealer here in
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>>> Q: Am I correct that Acom DOES NOT recommend this procedure?
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>>> you are a "hi-fi" type of operator and this "crunch" is an issue for you,
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>>> Bob W5OV
>>> Array Solutions
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>>> From:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>>> Behalf
>>> Of Hans Remeeus
>>> Sent: Wednesday, October 19, 2011 12:43 AM
>>> To:acom-list@yahoogroups.com
>>> Subject: Re: [acom-list] EBS electronic bias user update
>>>
>>> Hello Ron,
>>>
>>> As far as I know all the Acom 2000A linear amplifiers standard have the
>>> EBS enabled and therefore suffer the EBS-crunch during voice
>>> transmissions. You can easily see it on the display of the RCU; when
>>> during voice transmissions you notice a variation of the BIAS between
>>> -124V, -75V and -52V, then you have the EBS enabled. After the
>>> EBS-modification the BIAS is fixed at -52V during transmit and -124V in
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>>> The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
>>> depending on your mains Voltage.
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>>> 73,
>>> Hans Remeeus (PA1HR)
>>> http://www.remeeus.eu
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>>> Communication is about people, the rest is technology.
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>>> Op 18-10-2011 18:51, Ron Castro schreef:
>>>> I have been reading about the EBS modification. Do newer ACOM 2000A's
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>>>> the modification or has the factory changed the circuit so it is not
>>> needed?
>>>> Ron Castro
>>>> N6IE
>>>> www.N6IE.com
>>>> Member:
>>>> REDXA NCCC
>>>> NCDXF ARRL
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>>> Behalf
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>>>> To:acom-list@yahoogroups.com
>>>> Subject: Re: [acom-list] EBS electronic bias user update
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>>>> I fully agree with Marty his opinion about the excellent EBS
>>> modification.
>>>> After daily and sometimes intensive use of my 7 years old Acom 2000A
>> the
>>>> reports I got are excellent, with noticable improvement of my
>> transmitted
>>>> audio compared to before the modification. No problem with extended
>> heat
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>>>> other problems.
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>>>> Strongly recommended!
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>>>> Op 18-10-2011 4:53, kamarty456 schreef:
>>>>> I did the EBS modification back in February of 2011.
>>>>> You can do a search to read all the discussions etc.
>>>>> I believe message # 3938 is a good starting point.
>>>>> Also look in the file section for specific instructions
>>>>>
>>>>> The purpose of this post is to simply let you all know the 2000A is
>>>>> working flawlessly and has not hick-cupped or skipped a beat!
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>>>>> For those of you still deciding about jumping and and doing the EBS
>>>>> modification, I say "go for it"
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>>>>> Not to be overly critical, I have heard a number of ACOM 2000A
>>>>> amplifiers of various vintages and in the SSB mode I have heard the
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>>>>> My amp is around 11 years old [how time flies!!!]
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>>>>> Especially for those of you using SSB fidelity [ESSB/essb] this
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>>>>> regards,
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>>>>> Martin KA7GKN
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4454. RE: [acom-list] Acom 2000A and 2000SW/2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 19:03:00 UTC
From: AB2E Darrell
Topic: 4452 Message: 4454

George,
I experience the same problem.
If you find the solution, please message me or share with the list.
I would say mine functions correctly about 90-95% of the time - it is only occasionally it picks the wrong antenna.
My combo is Icom 756 Pro III to the Acom 2000A and 2000SW/S. Low VSWR all bands.
Mine faults off exactly like yours, mainly I'm operating CW.

73 Darrell AB2E

To: acom-list@yahoogroups.com
From: georgek5kg@...
Date: Wed, 19 Oct 2011 12:51:08 -0400
Subject: [acom-list] Acom 2000A and 2000SW/2000S

I use my Acom 2000A with the Acom 2000SW/2000S automatic antenna switch,

and have a problem. The problem is that occasionally when changing from one

band to another, the switch will select the wrong antenna.

Let me paint the picture:

Tribander for 10-15-20 on position 1

40m antenna on position 2

80m antenna on position 3

The amp has been "trained" to recognize these antennas on these bands. I

can QSY from band to band, and the switch will select the correct

antenna..........most of the time! Occasionally, however, when changing bands, the

switch will switch to an incorrect antenna. I have been investigating

this problem for some time, and I cannot find any pattern of switching from

one band to another that causes the incorrect switching.

When I change bands and tune the amp, I do it by changing the band on the

transceiver, and hit a dit on the key, or an "uh" in the mic. If the

correct antennas is selected by the switch, the amp tunes just fine. If the

incorrect antenna is selected by the switch, the amp will fault off due to

high vswr on the incorrect antenna (as is expected).

Here are more details. The transceiver is a K3. All antennas are

resonant on their bands and do not have vswr problems. I put ferrites on the DB9

control cable from the 2000S to the amp. I do not have a computer

connected to the 2000S. The shack is well grounded an free of stray RF.

I am looking for input on this problem, especially from anyone who is using

a 2000A with the 2000SW/S.

Thanks, George

George Wagner, K5KG

Sarasota, FL

941-400-1960 cell

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4455. RE: [acom-list] Acom 2000A and 2000SW/2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 19:58:51 UTC
From: Máximo EA1DDO_HK1H
Topic: 4452 Message: 4455

Hi George,

I have same setup and I don?t suffer that problem.
Where you connect the switch?

I am using Yaesu, not sure about K3, but Yaesu has a band output so I am thinking to manage the switch directly from the radio.
In this way, when you change the band in the radio, the switch will follow the radio directly, in Rx, so wont need any dit or uh, just when Tx.

About your malfunction, needs more investigation.
Perhaps you can try to monitor the switch using some software (Acom tools, Acom Director, etc)

73, Maximo .- EA1DDO

To: acom-list@yahoogroups.com
From: georgek5kg@...
Date: Wed, 19 Oct 2011 12:51:08 -0400
Subject: [acom-list] Acom 2000A and 2000SW/2000S

I use my Acom 2000A with the Acom 2000SW/2000S automatic antenna switch,

and have a problem. The problem is that occasionally when changing from one

band to another, the switch will select the wrong antenna.

Let me paint the picture:

Tribander for 10-15-20 on position 1

40m antenna on position 2

80m antenna on position 3

The amp has been "trained" to recognize these antennas on these bands. I

can QSY from band to band, and the switch will select the correct

antenna.....most of the time! Occasionally, however, when changing bands, the

switch will switch to an incorrect antenna. I have been investigating

this problem for some time, and I cannot find any pattern of switching from

one band to another that causes the incorrect switching.

When I change bands and tune the amp, I do it by changing the band on the

transceiver, and hit a dit on the key, or an "uh" in the mic. If the

correct antennas is selected by the switch, the amp tunes just fine. If the incorrect antenna is selected by the switch, the amp will fault off due to high vswr on the incorrect antenna (as is expected).

Here are more details. The transceiver is a K3. All antennas are resonant on their bands and do not have vswr problems. I put ferrites on the DB9 control cable from the 2000S to the amp. I do not have a computer connected to the 2000S. The shack is well grounded an free of stray RF.

I am looking for input on this problem, especially from anyone who is using a 2000A with the 2000SW/S.

Thanks, George

George Wagner, K5KG

Sarasota, FL

941-400-1960 cell

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4456. Re: [acom-list] Acom 2000A and 2000SW/2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 20:48:17 UTC
From: georgek5kg@aol.com
Topic: 4452 Message: 4456

Hello Maximo,

The 2000SW is connected with a DB9 cable from the 2000S to the 2000A amp.
There is no connection from the 2000S to the radio or my computer.

I have not tried to connect the switch to the K3, although there is
probably a way to do it.

I will check out the Acom software if I can find it.

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 10/19/2011 3:59:18 P.M. Eastern Daylight Time,
ea1ddo@... writes:

Hi George,

I have same setup and I don´t suffer that problem.
Where you connect the switch?

I am using Yaesu, not sure about K3, but Yaesu has a band output so I am
thinking to manage the switch directly from the radio.
In this way, when you change the band in the radio, the switch will follow
the radio directly, in Rx, so wont need any dit or uh, just when Tx.

About your malfunction, needs more investigation.
Perhaps you can try to monitor the switch using some software (Acom tools,
Acom Director, etc)

73, Maximo .- EA1DDO

To: acom-list@yahoogroups.com
From: georgek5kg@...
Date: Wed, 19 Oct 2011 12:51:08 -0400
Subject: [acom-list] Acom 2000A and 2000SW/2000S

I use my Acom 2000A with the Acom 2000SW/2000S automatic antenna switch,

and have a problem. The problem is that occasionally when changing from
one

band to another, the switch will select the wrong antenna.

Let me paint the picture:

Tribander for 10-15-20 on position 1

40m antenna on position 2

80m antenna on position 3

The amp has been "trained" to recognize these antennas on these bands. I

can QSY from band to band, and the switch will select the correct

antenna.....most of the time! Occasionally, however, when changing bands, the

switch will switch to an incorrect antenna. I have been investigating

this problem for some time, and I cannot find any pattern of switching from

one band to another that causes the incorrect switching.

When I change bands and tune the amp, I do it by changing the band on the

transceiver, and hit a dit on the key, or an "uh" in the mic. If the

correct antennas is selected by the switch, the amp tunes just fine. If the

incorrect antenna is selected by the switch, the amp will fault off due to

high vswr on the incorrect antenna (as is expected).

Here are more details. The transceiver is a K3. All antennas are

resonant on their bands and do not have vswr problems. I put ferrites on the DB9

control cable from the 2000S to the amp. I do not have a computer

connected to the 2000S. The shack is well grounded an free of stray RF.

I am looking for input on this problem, especially from anyone who is using

a 2000A with the 2000SW/S.

Thanks, George

George Wagner, K5KG

Sarasota, FL

941-400-1960 cell

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4457. Re: [acom-list] Acom 2000A and 2000SW/2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 22:44:36 UTC
From: George Steube
Topic: 4452 Message: 4457

George,
I would bet on stray RF. I run a Flex 5KA with an Acom 2KA and don't have problems with the amp but my station is automated including rotators/tuner/watt meters/keyer/logging program. RF will sneak in a cause problems from time to time. I have snap on ferrite beads on all the Acom control wires, rotator cables, serial cables and USB cables in addition to cables going to and from the Flex and the computer. Once you get over 1KW RF likes to visit the shack.

If you look up Mouser electronics on the web and order some type 31 ferrite beads and try them on the control cables it could help. They have a good selection for different cable diameters. I mostly get the .5" inside diameter beads and make a couple of wraps with the thinner cables to fill the space if necessary. Hope this helps.
73
George
W2GS

On 10/19/2011 11:51 AM, georgek5kg@... wrote:
>
> I use my Acom 2000A with the Acom 2000SW/2000S automatic antenna switch,
> and have a problem. The problem is that occasionally when changing
> from one
> band to another, the switch will select the wrong antenna.
>
> Let me paint the picture:
> Tribander for 10-15-20 on position 1
> 40m antenna on position 2
> 80m antenna on position 3
>
> The amp has been "trained" to recognize these antennas on these bands. I
> can QSY from band to band, and the switch will select the correct
> antenna..........most of the time! Occasionally, however, when
> changing bands, the
> switch will switch to an incorrect antenna. I have been investigating
> this problem for some time, and I cannot find any pattern of switching
> from
> one band to another that causes the incorrect switching.
>
> When I change bands and tune the amp, I do it by changing the band on the
> transceiver, and hit a dit on the key, or an "uh" in the mic. If the
> correct antennas is selected by the switch, the amp tunes just fine.
> If the
> incorrect antenna is selected by the switch, the amp will fault off
> due to

> high vswr on the incorrect antenna (as is expected).
>
> Here are more details. The transceiver is a K3. All antennas are
> resonant on their bands and do not have vswr problems. I put ferrites
> on the DB9
> control cable from the 2000S to the amp. I do not have a computer
> connected to the 2000S. The shack is well grounded an free of stray RF.
>
> I am looking for input on this problem, especially from anyone who is
> using
> a 2000A with the 2000SW/S.
>
> Thanks, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4458. Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-20 17:52:30 UTC
From: kamarty456
Topic: 4443 Message: 4458

I apologize for stirring up a hornet's nest!

I am leaving all the replies below this as reference etc.

NOW....everyone take a breath and relax!

EBS electronic bias system has been a design characteristic in
tube amplifiers for many many years! From Ameritron to Alpha
etc.

The design is to reduce tube on time between words etc...
The rational is to have the tubes last longer, and reduce
dissipated heat....

Now ALL amplifiers using EBS demonstrate some sort of anomaly.
Most hams who simply contest or DX with the driver by QSO:
"yer 5/9 QRZ" or "yer 5/9 -257 good luck" may not observe the EBS
anomaly.

Those of you with hearing challenges may not hear the EBS anomaly.
Those of you listening very narrow 350-2400hz may not hear the
anomaly.

Many folks using tube amplifiers with an EBS circuit are unaware of
the anomaly unless told since this happens after the radio and you
will not hear it in your radio monitor.

Those of you with dirty signals...slight to considerable RFI on
your signal, AC him, room noises etc. may not be aware of the
EBS anomaly.

Many Ham's have no clue what to listen for, so your buddies in the daily rag-chew will tell you "ya sound fine like you always do"

Now.....the reality of the EBS design may cause that crunch anomaly
based upon a variety of operator styles. How you speak, how you
pronounce words, pauses between words, how you address the microphone, how much of your breathing/breath noise you
introduce etc.

EBS crunch is REAL and can be distracting!!!!!!!

The solution is very simple....if you could care less.....
IGNORE IT!

I take pride in how I represent myself on air...I speak well,
I DO NOT use "and-um, you-know, bad English, bad grammar"
and all the other poor speech styles.

To me having a pure non polluting SSB audio signal is important and I'm willing to sacrifice a few hours of tube life or additional heat for a quiet clean amplified signal.

Ameritron and Alpha have information [if asked] regarding adjusting their EBS system. For example I believe the Alpha 8410 EBS can be
adjusted via your computer interface.

The ACOM 2000A has no EBS adjustment and that's perfectly fine and not worth attacking ACOM or their design team! They also decided not
to make it an issue in their design and that's fine too!

WE have a number of options here:

1. leave the amplifier EBS system alone
2. disable the EBS system
3. install a switch to turn the EBS on/off as desired
4. calculate the time constant and adjust the resistor or
capacitor value to speed up or slow down the EBS switching time
5. attack those that do modify the EBS circuit

So for all you "design engineer experts bantering on this topic" please stop bashing ACOM!!!

Their amplifiers are beautiful machines! Stop bashing those
of us that prefer NOT to use EBS! It's our choice.

If you are so head strong regarding this EBS design or topic go send a resume to ACOM, ALPHA, AMERITON, etc and use your talent to help them redesign their amplifier EBS system....

The rest of you...go get a cup a coffee and enjoy the amplifier
and get on the air instead of hanging around all the reflectors ha!

Martin KA7GKN

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> I apologize if I was not clear enough.
>
> Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of this modification.
>
> To be more practical about it: How many reports of bad audio have you received from this with your amplifier?
>
> I bet that just like me and 99.9% of the other 2000A owners out there - you have received no reports of bad audio. This is Acom's point.
>
> Again, Acom said: "It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback".
>
> Bottom line for me, and for Acom, this is a non-issue.
>
> 73,

>
> Bob W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:50 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>
> Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is
> unwilling to investigate".
>
> If PA1HR's before recording is truly representative of the 2000A units in
> the field, why wouldn't there be more investigation? I think we at least
> need to know if we are all sounding like this or not. I think we need more
> OTA tests/recordings, perhaps with some guidance from Hans, Marty, and
> others on how to record the phenomenon (or lack thereof).
>
> I think it's quite possible that the average 2000A displays much lower level
> of artifacts than in PA1HR's recording, but shouldn't we investigate and
> find out?
>
> 73, Barry N1EU
>
>
>
> On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann <W5OV@...> wrote:
>
> > **
> > >
> > >
> > > Barry,
> > >
> > > Acom is not "unwilling" to investigate. This is a mis-characterization.
> > >
> > > To the contrary, their statement is as I reported after fully evaluating
> > > the potential impact of this modification.
> > >
> > > To them, this is a complete non-issue and the compromise of the bias
> > > switching is a prudent design trade-off of reducing heat.
> > >
> > > Some people may disagree and that is their right to do so. However,
> > > characterizing this as a defect is not correct.
> > >
> > > It is a design decision which weighs out the alternatives, and reduced
> > > heating takes priority here.
> > >
> > > Acom's perspective is clear however, and they do not recommend that anyone
> > > make this modification to their amplifiers.

> >
> > Individual amplifier owners can of course make their own decisions.
> >
> > 73,
> >
> > Bob W5OV
> >
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf Of Barry N1EU
> > Sent: Wednesday, October 19, 2011 8:21 AM
> > To: acom-list@yahoogroups.com
> > Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
> >
> > After listening to PA1HR's before and after recordings in the Files section
> > (
> >
> > http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
> >),
> > I really think the issue bears further investigation - if Acom is unwilling
> > to investigate the full OTA ramifications of their bias compromise than I
> > guess it's on us Acom owners to do so and produce more recordings. It's
> > premature to label this a "hi-fi" issue and dismiss it. I would hate to
> > think that my tx audio is subject to the amplitude perturbations that I
> > hear
> > in PA1HR's before recording.
> >
> > 73, Barry N1EU
> >
> > On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:
> >
> > > **
> >
> > >
> > >
> > > As many of you know, Array Solutions is an authorized Acom dealer here in
> > > the USA.
> > >
> > > Recently, I have received telephone calls from potential customers asking
> > > if
> > > this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> > > 2000A.
> > >
> > > As this modification has gotten a lot of publicity, I wanted to get the
> > > facts to make some points very clear so I posed some specific questions
> > to
> > > Acom in Bulgaria:
> > >
> > > **********

> > >
> > > Q: Am I correct that Acom DOES NOT recommend this procedure?
> > >
> > > Acom: Yes
> > >
> > > Q: If someone performs this modification do they VOID THEIR WARRANTY?
> > >
> > > Acom: Yes
> > >
> > > Q: I understand that these "audiophile" and "Hi-Fi" audio types think
> > this
> > > makes a difference in their audio quality, but does it really do what
> > they
> > > claim?
> > > And, is what they claim a problem with the original design of the 2000A?
> > >
> > > Acom: It is a compromise between the temperature regime and quality, such
> > > like running class AB and A for instance. Not a drawback.
> > >
> > > **********
> > >
> > > So, please be aware that Acom does not recommend this modification, and
> > > making this modification to your amp will void the warranty.
> > >
> > > Acom's position is that the modification is not necessary and the
> > > compromise
> > > resulting in reduced heating is a good design choice for their amplifier.
> > > If
> > > you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> > > then by all means go ahead and modify your amp - but keep in mind that
> > you
> > > will void the warranty on your amplifier by doing so.
> > >
> > > 73,
> > >
> > > Bob W5OV
> > > Array Solutions
> > >
> > > -----Original Message-----
> > > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > > Behalf
> > > Of Hans Remeeus
> > > Sent: Wednesday, October 19, 2011 12:43 AM
> > > To: acom-list@yahoogroups.com
> > > Subject: Re: [acom-list] EBS electronic bias user update
> > >
> > > Hello Ron,
> > >
> > > As far as I know all the Acom 2000A linear amplifiers standard have the
> > > EBS enabled and therefore suffer the EBS-crunch during voice

> > > transmissions. You can easily see it on the display of the RCU; when
> > > during voice transmissions you notice a variation of the BIAS between
> > > -124V, -75V and -52V, then you have the EBS enabled. After the
> > > EBS-modification the BIAS is fixed at -52V during transmit and -124V in
> > > standby.
> > >
> > > The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
> > > depending on your mains Voltage.
> > >
> > > 73,
> > > Hans Remeeus (PA1HR)
> > > http://www.remeeus.eu
> > > http://www.hansremeeus.nl
> > > Communication is about people, the rest is technology.
> > >
> > > Op 18-10-2011 18:51, Ron Castro schreef:
> > > > I have been reading about the EBS modification. Do newer ACOM 2000A's
> > > need
> > > > the modification or has the factory changed the circuit so it is not
> > > needed?
> > > >
> > > > Ron Castro
> > > > N6IE
> > > > www.N6IE.com
> > > > Member:
> > > > REDXA NCCC
> > > > NCDXF ARRL
> > > >
> > > >
> > > > -----Original Message-----
> > > > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > > Behalf
> > > > Of Hans Remeeus
> > > > Sent: Tuesday, October 18, 2011 8:30 AM
> > > > To: acom-list@yahoogroups.com
> > > > Subject: Re: [acom-list] EBS electronic bias user update
> > > >
> > > >
> > > > I fully agree with Marty his opinion about the excellent EBS
> > > modification.
> > > > After daily and sometimes intensive use of my 7 years old Acom 2000A
> > the
> > > > reports I got are excellent, with noticable improvement of my
> > transmitted
> > > > audio compared to before the modification. No problem with extended
> > heat
> > > or
> > > > other problems.
> > > >
> > > > Strongly recommended!

> > > >
> > > >
> > > > 73,
> > > > Hans Remeeus (PA1HR)
> > > > http://www.remeeus.eu
> > > > http://www.hansremeeus.nl
> > > > Communication is about people, the rest is technology.
> > > >
> > > >
> > > >
> > > > Op 18-10-2011 4:53, kamarty456 schreef:
> > > >> I did the EBS modification back in February of 2011.
> > > >> You can do a search to read all the discussions etc.
> > > >> I believe message # 3938 is a good starting point.
> > > >> Also look in the file section for specific instructions
> > > >>
> > > >> The purpose of this post is to simply let you all know the 2000A is
> > > >> working flawlessly and has not hick-cupped or skipped a beat!
> > > >>
> > > >> For those of you still deciding about jumping and and doing the EBS
> > > >> modification, I say "go for it"
> > > >>
> > > >> Not to be overly critical, I have heard a number of ACOM 2000A
> > > >> amplifiers of various vintages and in the SSB mode I have heard the
> > > >> bias crunch on certain words and syllables. Even those used with
> > > strident
> > > > narrow band SSB audio exhibited the crunch.
> > > >> The crunch sounds like someone crinkling up paper or RFI
> > > >>
> > > >> My amp is around 11 years old [how time flies!!!]
> > > >>
> > > >> Especially for those of you using SSB fidelity [ESSB/essb] this
> > > >> modification is perfect!
> > > >>
> > > >> regards,
> > > >>
> > > >> Martin KA7GKN
> > > >>
> > > >>
> > > >>
> > > >> ------------------------------------
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> > > >> Yahoo! Groups Links
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4459. Re: [acom-list] Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-20 18:44:08 UTC
From: Hans Remeeus
Topic: 4443 Message: 4459

Very well said Marty! You have made an excellent conclusion.

Everybody happy :-)

73!
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 20-10-2011 19:52, kamarty456 schreef:
> I apologize for stirring up a hornet's nest!
>
> I am leaving all the replies below this as reference etc.
>
> NOW....everyone take a breath and relax!
>
> EBS electronic bias system has been a design characteristic in
> tube amplifiers for many many years! From Ameritron to Alpha
> etc.
>
> The design is to reduce tube on time between words etc...
> The rational is to have the tubes last longer, and reduce
> dissipated heat....
>
> Now ALL amplifiers using EBS demonstrate some sort of anomaly.
> Most hams who simply contest or DX with the driver by QSO:
> "yer 5/9 QRZ" or "yer 5/9 -257 good luck" may not observe the EBS
> anomaly.
>
> Those of you with hearing challenges may not hear the EBS anomaly.
> Those of you listening very narrow 350-2400hz may not hear the
> anomaly.
>
> Many folks using tube amplifiers with an EBS circuit are unaware of
> the anomaly unless told since this happens after the radio and you
> will not hear it in your radio monitor.
>
> Those of you with dirty signals...slight to considerable RFI on
> your signal, AC him, room noises etc. may not be aware of the
> EBS anomaly.
>
> Many Ham's have no clue what to listen for, so your buddies in the daily rag-chew will
tell you "ya sound fine like you always do"
>
> Now.....the reality of the EBS design may cause that crunch anomaly

> based upon a variety of operator styles. How you speak, how you
> pronounce words, pauses between words, how you address the microphone, how much of your breathing/breath noise you
> introduce etc.
>
> EBS crunch is REAL and can be distracting!!!!!!!
>
> The solution is very simple....if you could care less.....
> IGNORE IT!
>
> I take pride in how I represent myself on air...I speak well,
> I DO NOT use "and-um, you-know, bad English, bad grammar"
> and all the other poor speech styles.
>
> To me having a pure non polluting SSB audio signal is important and I'm willing to sacrifice a few hours of tube life or additional heat for a quiet clean amplified signal.
>
> Ameritron and Alpha have information [if asked] regarding adjusting their EBS system. For example I believe the Alpha 8410 EBS can be
> adjusted via your computer interface.
>
> The ACOM 2000A has no EBS adjustment and that's perfectly fine and not worth attacking ACOM or their design team! They also decided not
> to make it an issue in their design and that's fine too!
>
> WE have a number of options here:
>
> 1. leave the amplifier EBS system alone
> 2. disable the EBS system
> 3. install a switch to turn the EBS on/off as desired
> 4. calculate the time constant and adjust the resistor or
> capacitor value to speed up or slow down the EBS switching time
> 5. attack those that do modify the EBS circuit
>
> So for all you "design engineer experts bantering on this topic" please stop bashing ACOM!!!
>
> Their amplifiers are beautiful machines! Stop bashing those
> of us that prefer NOT to use EBS! It's our choice.
>
> If you are so head strong regarding this EBS design or topic go send a resume to ACOM, ALPHA, AMERITON, etc and use your talent to help them redesign their amplifier EBS system....
>
> The rest of you...go get a cup a coffee and enjoy the amplifier
> and get on the air instead of hanging around all the reflectors ha!
>
>
> Martin KA7GKN
>

>
>
>

[Non-text portions of this message have been removed]

4460. ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-21 00:53:47 UTC
From: eseniors@earthlink.net
Topic: 4460 Message: 4460

I have been following the EBS discussion with interest. Recently, some comments were posted about the impact of EBS modifications on ACOM warranties. This prompted me to relate my own experience with ACOM warranties.

About two years ago, I purchased an ACOM 1000 in a three-cornered deal involving the dealer/importer, and an impulse buyer who'd had the unit for a week. I guess you could call it "open box" at that point.

Part of the purchase arrangement was the dealer's assurance that he would honor the full warranty. Another part was his assurance that shipping risk would be covered by his commercial-strength UPS shipping insurance. (Otherwise, I would never have agreed to UPS shipping.)

Alas, when the amp arrived, it was inoperative because of UPS' shipping damage. A contributing cause was the factory omission of a component that stabilizes a vulnerable capacitor bank against shocks.

Contrary to his pre-sale assurances, the dealer did NOT cooperate in making an insurance claim for UPS' shipping damage. This was very disappointing, as I had ample proof of the damage with pre-shipping and post-shipping photographs.

However, the dealer did agree to repair the damage at his facility, if I returned the unit at my expense. I was NOT happy about being stuck with another shipping bill because of UPS' brutality, the dealer failing to honor our insurance agreement, AND a factory defect. Nevertheless, I returned it for the "warranty" repair--which I expected to be professional grade.

When the repair was done, the dealer asked me for yet another shipping fee, to return the amp to me. But ACOM websites said (and say) that their warranty covers return shipping.

At that point, I realized that my ACOM had not come with any printed warranty explaining the "fine print." So I looked for warranty details on both the dealer's website and ACOM's Bulgarian website. I could find none (and I still can't).

I then corresponded directly with ACOM in Bulgaria, and received a reply from their Export Manager. She said that ACOM's only factory warranty is an agreement between the factory and their dealer/importers as to how the factory will reimburse those DEALERS in the event of problems. She went on to say that the CUSTOMER'S warranty is whatever the DEALER decides to make it! And in this case, the dealer decided not to cover the return shipping, as promised on the websites. So "too bad, so sad," for me.

When the amp finally came back (after a couple of months of hassles and added shipping fees), I was happy to find that it worked well--as an ACOM should! But I was not so happy when I opened it up to take a look. There was a crude, functional repair that looked quite bad; and the missing factory stabilizer was still not there. Bye, bye pride of ownership--on the inside, at least.

My take-away from all this, along with 18 months of successful operating that followed, is that there's a LOT to like about ACOM products. However, their warranty coverage is vaguely specified, and inconsistently applied. As Clint might say, "Are you feeling lucky?"

So what's the relevance of all this to EBS? Well if I felt like doing the EBS mod, the Void Warranty threat wouldn't really worry me too much. I apparently never had a meaningful warranty, in the first place.

BTW, I've never had a complaint about my audio running the standard 1000. But I've also never had a compliment, which I used to get quite often with my humble old AL-80B.

73 to the group, and GoodOnYa... with or without EBS mod's.
Ed

4461. AW: [acom-list] Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-21 07:03:08 UTC
From: Markus Schleutermann
Topic: 4443 Message: 4461

Gentlemen

It's very simple, the EBS-Problem depends on the production lot of the amps, I have several of them out of various production lots, running in different installations on a 24/7 base, one of them had that modulation problem, others give a crystal clear modulation and don't need any mods. Did the mod on one of my installations, modulation is excellent now, temperature level is raising a little bit faster, but no problem with the aux fan, never had heat faults.

The acoms are great amps, a real masterpiece of rf-engineering (eg. have a look for the outstanding emc-design-details), except the crappy firmware which makes it difficult to write any reliable control application for the amp.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von kamarty456
Gesendet: Donnerstag, 20. Oktober 2011 19:53
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: EBS electronic bias user update - Acom comments

I apologize for stirring up a hornet's nest!

I am leaving all the replies below this as reference etc.

NOW....everyone take a breath and relax!

EBS electronic bias system has been a design characteristic in
tube amplifiers for many many years! From Ameritron to Alpha
etc.

The design is to reduce tube on time between words etc...
The rational is to have the tubes last longer, and reduce
dissipated heat....

Now ALL amplifiers using EBS demonstrate some sort of anomaly.
Most hams who simply contest or DX with the driver by QSO:
"yer 5/9 QRZ" or "yer 5/9 -257 good luck" may not observe the EBS
anomaly.

Those of you with hearing challenges may not hear the EBS anomaly.
Those of you listening very narrow 350-2400hz may not hear the
anomaly.

Many folks using tube amplifiers with an EBS circuit are unaware of
the anomaly unless told since this happens after the radio and you
will not hear it in your radio monitor.

Those of you with dirty signals...slight to considerable RFI on
your signal, AC him, room noises etc. may not be aware of the
EBS anomaly.

Many Ham's have no clue what to listen for, so your buddies in the daily rag-chew will tell you "ya sound fine like you always do"

Now.....the reality of the EBS design may cause that crunch anomaly
based upon a variety of operator styles. How you speak, how you
pronounce words, pauses between words, how you address the microphone, how much of your breathing/breath noise you
introduce etc.

EBS crunch is REAL and can be distracting!!!!!!!

The solution is very simple....if you could care less.....
IGNORE IT!

I take pride in how I represent myself on air...I speak well,
I DO NOT use "and-um, you-know, bad English, bad grammar"
and all the other poor speech styles.

To me having a pure non polluting SSB audio signal is important and I'm willing to sacrifice a few hours of tube life or additional heat for a quiet clean amplified signal.

Ameritron and Alpha have information [if asked] regarding adjusting their EBS system. For example I believe the Alpha 8410 EBS can be
adjusted via your computer interface.

The ACOM 2000A has no EBS adjustment and that's perfectly fine and not worth attacking ACOM or their design team! They also decided not
to make it an issue in their design and that's fine too!

WE have a number of options here:

1. leave the amplifier EBS system alone
2. disable the EBS system
3. install a switch to turn the EBS on/off as desired
4. calculate the time constant and adjust the resistor or
capacitor value to speed up or slow down the EBS switching time
5. attack those that do modify the EBS circuit

So for all you "design engineer experts bantering on this topic" please stop bashing ACOM!!!

Their amplifiers are beautiful machines! Stop bashing those
of us that prefer NOT to use EBS! It's our choice.

If you are so head strong regarding this EBS design or topic go send a resume to ACOM, ALPHA, AMERITON, etc and use your talent to help them redesign their amplifier EBS system....

The rest of you...go get a cup a coffee and enjoy the amplifier
and get on the air instead of hanging around all the reflectors ha!

Martin KA7GKN

--- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>, "Bob Naumann" <W5OV@...> wrote:
>
> I apologize if I was not clear enough.
>
> Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of this modification.
>
> To be more practical about it: How many reports of bad audio have you received from this with your amplifier?
>
> I bet that just like me and 99.9% of the other 2000A owners out there - you have received no reports of bad audio. This is Acom's point.
>
> Again, Acom said: "It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback".
>
> Bottom line for me, and for Acom, this is a non-issue.
>
> 73,
>
> Bob W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:50 AM
> To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>
> Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is
> unwilling to investigate".
>
> If PA1HR's before recording is truly representative of the 2000A units in
> the field, why wouldn't there be more investigation? I think we at least
> need to know if we are all sounding like this or not. I think we need more
> OTA tests/recordings, perhaps with some guidance from Hans, Marty, and
> others on how to record the phenomenon (or lack thereof).
>
> I think it's quite possible that the average 2000A displays much lower level
> of artifacts than in PA1HR's recording, but shouldn't we investigate and
> find out?
>
> 73, Barry N1EU
>
>
>
> On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann <W5OV@...> wrote:

>
> > **
> >
> >
> > Barry,
> >
> > Acom is not "unwilling" to investigate. This is a mis-characterization.
> >
> > To the contrary, their statement is as I reported after fully evaluating
> > the potential impact of this modification.
> >
> > To them, this is a complete non-issue and the compromise of the bias
> > switching is a prudent design trade-off of reducing heat.
> >
> > Some people may disagree and that is their right to do so. However,
> > characterizing this as a defect is not correct.
> >
> > It is a design decision which weighs out the alternatives, and reduced
> > heating takes priority here.
> >
> > Acom's perspective is clear however, and they do not recommend that anyone
> > make this modification to their amplifiers.
> >
> > Individual amplifier owners can of course make their own decisions.
> >
> > 73,
> >
> > Bob W5OV
> >
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> > Behalf Of Barry N1EU
> > Sent: Wednesday, October 19, 2011 8:21 AM
> > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
> >
> > After listening to PA1HR's before and after recordings in the Files section
> > (
> >
> > http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
> >),
> > I really think the issue bears further investigation - if Acom is unwilling
> > to investigate the full OTA ramifications of their bias compromise than I
> > guess it's on us Acom owners to do so and produce more recordings. It's
> > premature to label this a "hi-fi" issue and dismiss it. I would hate to
> > think that my tx audio is subject to the amplitude perturbations that I
> > hear
> > in PA1HR's before recording.

> >
> > 73, Barry N1EU
> >
> > On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:
> >
> > > **
> >
> > >
> > >
> > > As many of you know, Array Solutions is an authorized Acom dealer here in
> > > the USA.
> > >
> > > Recently, I have received telephone calls from potential customers asking
> > > if
> > > this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> > > 2000A.
> > >
> > > As this modification has gotten a lot of publicity, I wanted to get the
> > > facts to make some points very clear so I posed some specific questions
> > to
> > > Acom in Bulgaria:
> > >
> > > **********
> > >
> > > Q: Am I correct that Acom DOES NOT recommend this procedure?
> > >
> > > Acom: Yes
> > >
> > > Q: If someone performs this modification do they VOID THEIR WARRANTY?
> > >
> > > Acom: Yes
> > >
> > > Q: I understand that these "audiophile" and "Hi-Fi" audio types think
> > this
> > > makes a difference in their audio quality, but does it really do what
> > they
> > > claim?
> > > And, is what they claim a problem with the original design of the 2000A?
> > >
> > > Acom: It is a compromise between the temperature regime and quality, such
> > > like running class AB and A for instance. Not a drawback.
> > >
> > > **********
> > >
> > > So, please be aware that Acom does not recommend this modification, and
> > > making this modification to your amp will void the warranty.
> > >
> > > Acom's position is that the modification is not necessary and the
> > > compromise
> > > resulting in reduced heating is a good design choice for their amplifier.

> > > If
> > > you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> > > then by all means go ahead and modify your amp - but keep in mind that
> > you
> > > will void the warranty on your amplifier by doing so.
> > >
> > > 73,
> > >
> > > Bob W5OV
> > > Array Solutions
> > >
> > > -----Original Message-----
> > > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> > > Behalf
> > > Of Hans Remeeus
> > > Sent: Wednesday, October 19, 2011 12:43 AM
> > > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > > Subject: Re: [acom-list] EBS electronic bias user update
> > >
> > > Hello Ron,
> > >
> > > As far as I know all the Acom 2000A linear amplifiers standard have the
> > > EBS enabled and therefore suffer the EBS-crunch during voice
> > > transmissions. You can easily see it on the display of the RCU; when
> > > during voice transmissions you notice a variation of the BIAS between
> > > -124V, -75V and -52V, then you have the EBS enabled. After the
> > > EBS-modification the BIAS is fixed at -52V during transmit and -124V in
> > > standby.
> > >
> > > The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
> > > depending on your mains Voltage.
> > >
> > > 73,
> > > Hans Remeeus (PA1HR)
> > > http://www.remeeus.eu
> > > http://www.hansremeeus.nl
> > > Communication is about people, the rest is technology.
> > >
> > > Op 18-10-2011 18:51, Ron Castro schreef:
> > > > I have been reading about the EBS modification. Do newer ACOM 2000A's
> > > need
> > > > the modification or has the factory changed the circuit so it is not
> > > needed?
> > > >
> > > > Ron Castro
> > > > N6IE
> > > > www.N6IE.com
> > > > Member:
> > > > REDXA NCCC

> > > > NCDXF ARRL
> > > >
> > > >
> > > > -----Original Message-----
> > > > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> > > Behalf
> > > > Of Hans Remeeus
> > > > Sent: Tuesday, October 18, 2011 8:30 AM
> > > > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > > > Subject: Re: [acom-list] EBS electronic bias user update
> > > >
> > > >
> > > > I fully agree with Marty his opinion about the excellent EBS
> > > modification.
> > > > After daily and sometimes intensive use of my 7 years old Acom 2000A
> > the
> > > > reports I got are excellent, with noticable improvement of my
> > transmitted
> > > > audio compared to before the modification. No problem with extended
> > heat
> > > or
> > > > other problems.
> > > >
> > > > Strongly recommended!
> > > >
> > > >
> > > > 73,
> > > > Hans Remeeus (PA1HR)
> > > > http://www.remeeus.eu
> > > > http://www.hansremeeus.nl
> > > > Communication is about people, the rest is technology.
> > > >
> > > >
> > > >
> > > > Op 18-10-2011 4:53, kamarty456 schreef:
> > > >> I did the EBS modification back in February of 2011.
> > > >> You can do a search to read all the discussions etc.
> > > >> I believe message # 3938 is a good starting point.
> > > >> Also look in the file section for specific instructions
> > > >>
> > > >> The purpose of this post is to simply let you all know the 2000A is
> > > >> working flawlessly and has not hick-cupped or skipped a beat!
> > > >>
> > > >> For those of you still deciding about jumping and and doing the EBS
> > > >> modification, I say "go for it"
> > > >>
> > > >> Not to be overly critical, I have heard a number of ACOM 2000A
> > > >> amplifiers of various vintages and in the SSB mode I have heard the
> > > >> bias crunch on certain words and syllables. Even those used with

> > > strident
> > > > narrow band SSB audio exhibited the crunch.
> > > >> The crunch sounds like someone crinkling up paper or RFI
> > > >>
> > > >> My amp is around 11 years old [how time flies!!!]
> > > >>
> > > >> Especially for those of you using SSB fidelity [ESSB/essb] this
> > > >> modification is perfect!
> > > >>
> > > >> regards,
> > > >>
> > > >> Martin KA7GKN
> > > >>
> > > >>
> > > >>
> > > >> ------------------------------------
> > > >>
> > > >> Yahoo! Groups Links
> > > >>
> > > >>
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> Yahoo! Groups Links
>

[Non-text portions of this message have been removed]

4462. Re: [acom-list] Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-21 08:18:24 UTC
From: Barry N1EU
Topic: 4443 Message: 4462

Is it possible to "predict" whether there are EBS artifacts on your tx audio
by monitoring the BIAS voltage in the MEASURE menu as you transmit? For
example, if you see the BIAS level often transitioning from -87V to -66V
while speaking, then it probably does (does not?) mean your tx signals has
audible artifacts?

Barry N1EU

On Fri, Oct 21, 2011 at 7:03 AM, Markus Schleutermann <hb9azt@...>wrote:

> **
>
>
> Gentlemen
>
> It's very simple, the EBS-Problem depends on the production lot of the
> amps, I have several of them out of various production lots, running in
> different installations on a 24/7 base, one of them had that modulation
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> The acoms are great amps, a real masterpiece of rf-engineering (eg. have a
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> amp.
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im
> Auftrag von kamarty456
> Gesendet: Donnerstag, 20. Oktober 2011 19:53
> An: acom-list@yahoogroups.com
> Betreff: [acom-list] Re: EBS electronic bias user update - Acom comments
>
>
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> I apologize for stirring up a hornet's nest!
>
> I am leaving all the replies below this as reference etc.
>
> NOW....everyone take a breath and relax!
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> etc.

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> The design is to reduce tube on time between words etc...
> The rational is to have the tubes last longer, and reduce
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> Now ALL amplifiers using EBS demonstrate some sort of anomaly.
> Most hams who simply contest or DX with the driver by QSO:
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> Many Ham's have no clue what to listen for, so your buddies in the daily
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> Now.....the reality of the EBS design may cause that crunch anomaly
> based upon a variety of operator styles. How you speak, how you
> pronounce words, pauses between words, how you address the microphone, how
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> introduce etc.
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> IGNORE IT!
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> The ACOM 2000A has no EBS adjustment and that's perfectly fine and not
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> Their amplifiers are beautiful machines! Stop bashing those
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> If you are so head strong regarding this EBS design or topic go send a
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> > 73,
> >
> > Bob W5OV
> >
> > -----Original Message-----

> > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> Behalf Of Barry N1EU
> > Sent: Wednesday, October 19, 2011 8:50 AM
> > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
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> http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
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> > > to investigate the full OTA ramifications of their bias compromise than
> I
> > > guess it's on us Acom owners to do so and produce more recordings. It's
> > > premature to label this a "hi-fi" issue and dismiss it. I would hate to
> > > think that my tx audio is subject to the amplitude perturbations that I
> > > hear
> > > in PA1HR's before recording.
> > >
> > > 73, Barry N1EU
> > >
> > > On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:
> > >
> > > > **
> > >
> > > >
> > > >
> > > > As many of you know, Array Solutions is an authorized Acom dealer
> here in
> > > > the USA.
> > > >
> > > > Recently, I have received telephone calls from potential customers
> asking

> > > > if
> > > > this "crunch" noted by "hi-fi" operators is a design flaw with the
> Acom
> > > > 2000A.
> > > > >
> > > > As this modification has gotten a lot of publicity, I wanted to get
> the
> > > > facts to make some points very clear so I posed some specific
> questions
> > > to
> > > > Acom in Bulgaria:
> > > > >
> > > > **********
> > > > >
> > > > Q: Am I correct that Acom DOES NOT recommend this procedure?
> > > > >
> > > > Acom: Yes
> > > > >
> > > > Q: If someone performs this modification do they VOID THEIR WARRANTY?
> > > > >
> > > > Acom: Yes
> > > > >
> > > > Q: I understand that these "audiophile" and "Hi-Fi" audio types think
> > > this
> > > > makes a difference in their audio quality, but does it really do what
> > > they
> > > > claim?
> > > > And, is what they claim a problem with the original design of the
> 2000A?
> > > > >
> > > > Acom: It is a compromise between the temperature regime and quality,
> such
> > > > like running class AB and A for instance. Not a drawback.
> > > > >
> > > > **********
> > > > >
> > > > So, please be aware that Acom does not recommend this modification,
> and
> > > > making this modification to your amp will void the warranty.
> > > > >
> > > > Acom's position is that the modification is not necessary and the
> > > > compromise
> > > > resulting in reduced heating is a good design choice for their
> amplifier.
> > > > If
> > > > you are a "hi-fi" type of operator and this "crunch" is an issue for
> you,
> > > > then by all means go ahead and modify your amp - but keep in mind
> that
> > > you

> > > > will void the warranty on your amplifier by doing so.
> > > >
> > > > 73,
> > > >
> > > > Bob W5OV
> > > > Array Solutions
> > > >
> > > > -----Original Message-----
> > > > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> > > > Behalf
> > > > Of Hans Remeeus
> > > > Sent: Wednesday, October 19, 2011 12:43 AM
> > > > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
>
> > > > Subject: Re: [acom-list] EBS electronic bias user update
> > > >
> > > > Hello Ron,
> > > >
> > > > As far as I know all the Acom 2000A linear amplifiers standard have
> the
> > > > EBS enabled and therefore suffer the EBS-crunch during voice
> > > > transmissions. You can easily see it on the display of the RCU; when
> > > > during voice transmissions you notice a variation of the BIAS between
> > > > -124V, -75V and -52V, then you have the EBS enabled. After the
> > > > EBS-modification the BIAS is fixed at -52V during transmit and -124V
> in
> > > > standby.
> > > >
> > > > The Voltages of course may vary a little bit, e.g. -122, -123 or
> -124V,
> > > > depending on your mains Voltage.
> > > >
> > > > 73,
> > > > Hans Remeeus (PA1HR)
> > > > http://www.remeeus.eu
> > > > http://www.hansremeeus.nl
> > > > Communication is about people, the rest is technology.
> > > >
> > > > Op 18-10-2011 18:51, Ron Castro schreef:
> > > > > I have been reading about the EBS modification. Do newer ACOM
> 2000A's
> > > > need
> > > > > the modification or has the factory changed the circuit so it is
> not
> > > > needed?
> > > > >
> > > > > Ron Castro
> > > > > N6IE
> > > > > www.N6IE.com

> > > > > Member:
> > > > > REDXA NCCC
> > > > > NCDXF ARRL
> > > > >
> > > > >
> > > > > -----Original Message-----
> > > > > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> > > > Behalf
> > > > > Of Hans Remeeus
> > > > > Sent: Tuesday, October 18, 2011 8:30 AM
> > > > > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
>
> > > > > Subject: Re: [acom-list] EBS electronic bias user update
> > > > >
> > > > >
> > > > > I fully agree with Marty his opinion about the excellent EBS
> > > modification.
> > > > > After daily and sometimes intensive use of my 7 years old Acom
> 2000A
> > > the
> > > > > reports I got are excellent, with noticable improvement of my
> > > transmitted
> > > > > audio compared to before the modification. No problem with extended
> > > heat
> > > > or
> > > > > other problems.
> > > > >
> > > > > Strongly recommended!
> > > > >
> > > > >
> > > > > 73,
> > > > > Hans Remeeus (PA1HR)
> > > > > http://www.remeeus.eu
> > > > > http://www.hansremeeus.nl
> > > > > Communication is about people, the rest is technology.
> > > > >
> > > > >
> > > > >
> > > > > Op 18-10-2011 4:53, kamarty456 schreef:
> > > > >> I did the EBS modification back in February of 2011.
> > > > >> You can do a search to read all the discussions etc.
> > > > >> I believe message # 3938 is a good starting point.
> > > > >> Also look in the file section for specific instructions
> > > > >>
> > > > >> The purpose of this post is to simply let you all know the 2000A
> is
> > > > >> working flawlessly and has not hick-cupped or skipped a beat!
> > > > >>
> > > > >> For those of you still deciding about jumping and and doing the

> EBS
> > > > >> modification, I say "go for it"
> > > > >>
> > > > >> Not to be overly critical, I have heard a number of ACOM 2000A
> > > > >> amplifiers of various vintages and in the SSB mode I have heard
> the
> > > > >> bias crunch on certain words and syllables. Even those used with
> > > > strident
> > > > > narrow band SSB audio exhibited the crunch.
> > > > >> The crunch sounds like someone crinkling up paper or RFI
> > > > >>
> > > > >> My amp is around 11 years old [how time flies!!!]
> > > > >>
> > > > >> Especially for those of you using SSB fidelity [ESSB/essb] this
> > > > >> modification is perfect!
> > > > >>
> > > > >> regards,
> > > > >>
> > > > >> Martin KA7GKN
> > > > >>
> > > > >>
> > > > >>
> > > > >> ------------------------------------
> > > > >>
> > > > >> Yahoo! Groups Links
> > > > >>
> > > > >>
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> > > > > [Non-text portions of this message have been removed]
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> > > > >
> > > > > ------------------------------------
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> > > > > Yahoo! Groups Links
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> > > > > Yahoo! Groups Links
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> > > > [Non-text portions of this message have been removed]
> > > >
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> > > > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4463. LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 02:45:15 UTC
From: K0DAN
Topic: 4443 Message: 4463

Can someone tell me what the ACOM circuit logic decides to qualify as a "LOW AIRFLOW" error and trip the amp?

Recently, since 10M has been so good, I have been running 10M AM...with typically 100W to 200W carrier and I have had about a half dozen "low airflow" drops of the amp.

SWR is nearly 1:1, drive RF is only about 10W, everything is pretty nominal. I never have the "airflow" error even when running 1500W SSB. Granted, AM is a different duty cycle, but it'd seem to me 100-200W carrier is not that big a deal heat-wise. Maybe I am wrong.

I have the AUX fan on the rear and the filter is clean. The fans run when they want to. The exhaust ports above the tubes are clear and unobstructed. The amp sits on the bottom of a rack and has about 4"-5" of clearance below the next piece of equipment. Air flow in and around the rack is decent and unobstructed.

About once a year I will give myself a hernia, remove the amp from the rack, remove the HV XFRMR and carry the thing to the garage where I open the case and blow out any dust with an airhose. Usually there is some dust, but not clouds or anything you'd expect would create "low airflow".

I guess it's hernia time, just to blow out the dust and eliminate that variable....has anyone else had experience with a rack-mounted Acom, airflow, "low airflow" error, and other duty cycle issues which might have a bearing here?
Thanks and 73

Dan
K0DAN

4464. Re: [acom-list] LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 03:17:20 UTC
From: georgek5kg@aol.com
Topic: 4443 Message: 4464

My 2000A is over 6 years old, and I have never opened it up except when it was first delivered to install the transformer.

Knock on wood, I've never had a low air flow fault.

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 10/21/2011 10:45:21 P.M. Eastern Daylight Time, k0dan@... writes:

Can someone tell me what the ACOM circuit logic decides to qualify as a "LOW
AIRFLOW" error and trip the amp?

Recently, since 10M has been so good, I have been running 10M AM...with typically 100W to 200W carrier and I have had about a half dozen "low airflow" drops of the amp.

SWR is nearly 1:1, drive RF is only about 10W, everything is pretty nominal.
I never have the "airflow" error even when running 1500W SSB. Granted, AM is
a different duty cycle, but it'd seem to me 100-200W carrier is not that big
a deal heat-wise. Maybe I am wrong.

I have the AUX fan on the rear and the filter is clean. The fans run when they want to. The exhaust ports above the tubes are clear and unobstructed.
The amp sits on the bottom of a rack and has about 4"-5" of clearance below
the next piece of equipment. Air flow in and around the rack is decent and

unobstructed.

About once a year I will give myself a hernia, remove the amp from the rack,
remove the HV XFRMR and carry the thing to the garage where I open the case
and blow out any dust with an airhose. Usually there is some dust, but not clouds or anything you'd expect would create "low airflow".

I guess it's hernia time, just to blow out the dust and eliminate that variable....has anyone else had experience with a rack-mounted Acom,

airflow, "low airflow" error, and other duty cycle issues which might have
a
bearing here?
Thanks and 73

Dan
K0DAN

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4465. Re: [acom-list] LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 03:46:09 UTC
From: K0DAN
Topic: 4443 Message: 4465

Yeah, knock on wood, and grab your abdomen!

Seriously, the Acom is sort of manageable, but it is a nut-buster, and the way mine is mounted (bottom shelf on a rack), it's a wrestling match to get the amp out of the rack, then remove the 1,000,000 screws, pull the cover, invent a way to get to bolts on the bottom of case, remove the HV transformer, and suddenly the outlook on life is a lot better.

Once the HV XFRMR is set aside, the rest of the process is not so bad.

I've had my Acom since about '99 and I regularly (annually? every 2 years?) cleaned it out....and there is ALWAYS dust in it. Nothing awful, but you can tell you're blowing junk out. The shack here is a dry basement, decent carpet in the hamshack, no animals. I suppose my area is inherently dusty, altho by no means desert.

This still doesn't answer my question about ACOM logic = "low airflow", but this thread describes the environment here.

73
k0dan

-----Original Message-----
From: georgek5kg@...
Sent: October 21, 2011 10:17 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] LOW AIRFLOW ERROR???

My 2000A is over 6 years old, and I have never opened it up except when it was first delivered to install the transformer.

Knock on wood, I've never had a low air flow fault.

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 10/21/2011 10:45:21 P.M. Eastern Daylight Time, k0dan@... writes:

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Recently, since 10M has been so good, I have been running 10M AM...with typically 100W to 200W carrier and I have had about a half dozen "low

airflow" drops of the amp.

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a different duty cycle, but it'd seem to me 100-200W carrier is not that big
a deal heat-wise. Maybe I am wrong.

I have the AUX fan on the rear and the filter is clean. The fans run when they want to. The exhaust ports above the tubes are clear and unobstructed.
The amp sits on the bottom of a rack and has about 4"-5" of clearance below
the next piece of equipment. Air flow in and around the rack is decent and

unobstructed.

About once a year I will give myself a hernia, remove the amp from the rack,
remove the HV XFRMR and carry the thing to the garage where I open the case
and blow out any dust with an airhose. Usually there is some dust, but not clouds or anything you'd expect would create "low airflow".

I guess it's hernia time, just to blow out the dust and eliminate that variable....has anyone else had experience with a rack-mounted Acom, airflow, "low airflow" error, and other duty cycle issues which might have a
bearing here?
Thanks and 73

Dan
K0DAN

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4466. Re: LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 04:46:43 UTC
From: kamarty456
Topic: 4443 Message: 4466

How old is your 2000A?
There may be different generations of air blower motors.

Determine if you have proper air flow with a rough test.
take a sheet of paper and place it over the left rear corner
[facing the amp] cover the exhaust opening when the blower is starting you should see 2-3 inches of lift.

Height depends upon the weight of the paper flexibility, mains voltage, air temperature, pressure and humidity etc. the paper should cover both tube openings. Use a book to keep the paper secure..Place the book to the right of the holes say 4-5 inches so the paper has a flap and will move up when there is air movement. you may try a paper towel too.

Actually I keep tissue paper over the openings here so when power is off it drifts down to cover the openings to reduce air borne dust from settling. when I fire up the 2000A the blower lifts the tissue paper out of the way and exhausts properly.

If the lift is below about 1 1/2 inches the air flow is weak

Make sure the tube deck and tube cooling fins are clean from any dust.
Just blowing dust off the inside may not be adequate. Verify the blower squirrel cage is clean from dust and debris. You may see a counter weight or balance clamp on it..leave it alone that's for balance and is set by ACOM. Just ensure the balance clamp has not loosened.

You may have to remove the tubes to blow compressed air through the ribs [cooling fins]..Preferred method is with the tubes removed otherwise you'll just blow dust back throughout the amp.

Also check for dust and debris under the tube deck. You should have a small trap door on the bottom. Open it and gently blow out any dust or debris.

There may also be a possibility the air flow sensor needs to simply be re-calibrated/adjusted.
This is a VERY small adjustment of 2 or 3 degrees in a clockwise direction. RP1 is located under the tube deck [that small trap door]
I believe it's the pot on that circuit board and it is located almost in the center.

RP1 is a 10k pot you can see it on the schematic diagram on the intake airflow sensor With my schematics it's on page 12 of 36 but it may be on a different page in your documentation.

If you do make this adjustment you must verify the low air protection system is functioning!!! temporarily disconnect the blower power.

The "low air" message should appear reliably each time you try to power the amp. verify this three times if all is OK then reconnect the blower power.

If the adjustment does not work your air flow detector may be defective and you need to contact ACOM for a replacement sensor board.

Good luck, and please get back to us here and let us know what you did

Martin KA7GKN

--- In acom-list@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>
> Can someone tell me what the ACOM circuit logic decides to qualify as a "LOW
> AIRFLOW" error and trip the amp?
>
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>
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> The amp sits on the bottom of a rack and has about 4"-5" of clearance below
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>
> About once a year I will give myself a hernia, remove the amp from the rack,
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> clouds or anything you'd expect would create "low airflow".
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> variable....has anyone else had experience with a rack-mounted Acom,
> airflow, "low airflow" error, and other duty cycle issues which might have a
> bearing here?
> Thanks and 73
>
> Dan
> K0DAN
>

4467. RE: [acom-list] Re: LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 11:01:00 UTC
From: Jim
Topic: 4443 Message: 4467

An Ebmpapst model 4314 24 volt dc. I believe it's the actual accessory fan.

I noticed several outlets who sell this fan.

73 de KE4WY Jim

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Saturday, October 22, 2011 12:47 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: LOW AIRFLOW ERROR???

How old is your 2000A?
There may be different generations of air blower motors.

Determine if you have proper air flow with a rough test.
take a sheet of paper and place it over the left rear corner [facing the amp] cover the exhaust opening when the blower is starting you should see 2-3 inches of lift.

Height depends upon the weight of the paper flexibility, mains voltage, air temperature, pressure and humidity etc. the paper should cover both tube openings. Use a book to keep the paper secure..Place the book to the right of the holes say 4-5 inches so the paper has a flap and will move up when there is air movement. you may try a paper towel too.

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You may have to remove the tubes to blow compressed air through the ribs [cooling fins]..Preferred method is with the tubes removed otherwise you'll just blow dust back throughout the amp.

Also check for dust and debris under the tube deck. You should have a small trap door on the bottom. Open it and gently blow out any dust or debris.

There may also be a possibility the air flow sensor needs to simply be re-calibrated/adjusted.
This is a VERY small adjustment of 2 or 3 degrees in a clockwise direction. RP1 is located under the tube deck [that small trap door] I believe it's the pot on that circuit board and it is located almost in the center.

RP1 is a 10k pot you can see it on the schematic diagram on the intake airflow sensor With my schematics it's on page 12 of 36 but it may be on a different page in your documentation.

If you do make this adjustment you must verify the low air protection system is functioning!!! temporarily disconnect the blower power.

The "low air" message should appear reliably each time you try to power the amp. verify this three times if all is OK then reconnect the blower power.

If the adjustment does not work your air flow detector may be defective and you need to contact ACOM for a replacement sensor board.

Good luck, and please get back to us here and let us know what you did

Martin KA7GKN

--- In acom-list@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
>
> Can someone tell me what the ACOM circuit logic decides to qualify as
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>
> Recently, since 10M has been so good, I have been running 10M
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>
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> I never have the "airflow" error even when running 1500W SSB. Granted,
> AM is a different duty cycle, but it'd seem to me 100-200W carrier is
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> when they want to. The exhaust ports above the tubes are clear and unobstructed.
> The amp sits on the bottom of a rack and has about 4"-5" of clearance
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> About once a year I will give myself a hernia, remove the amp from the
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> some dust, but not clouds or anything you'd expect would create "low airflow".
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> I guess it's hernia time, just to blow out the dust and eliminate that
> variable....has anyone else had experience with a rack-mounted Acom,

> airflow, "low airflow" error, and other duty cycle issues which might
> have a bearing here?
> Thanks and 73
>
> Dan
> K0DAN
>

Yahoo! Groups Links

_____ Information from ESET Smart Security, version of virus signature database 6564 (20111021) _____

The message was checked by ESET Smart Security.

http://www.eset.com

4468. Re: LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 15:21:16 UTC
From: kamarty456
Topic: 4443 Message: 4468

Jim, is that the internal blower or are you describing the optional external fan?

Dan is discussing a possible low air flow challenge from the internal blower.

Marty ka7gkn

--- In acom-list@yahoogroups.com, "Jim" <pywacker@...> wrote:
>
> An Ebmpapst model 4314 24 volt dc. I believe it's the actual accessory fan.
>
> I noticed several outlets who sell this fan.
>
> 73 de KE4WY Jim
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of kamarty456
> Sent: Saturday, October 22, 2011 12:47 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: LOW AIRFLOW ERROR???
>
> How old is your 2000A?
> There may be different generations of air blower motors.
>
> Determine if you have proper air flow with a rough test.
> take a sheet of paper and place it over the left rear corner [facing the
> amp] cover the exhaust opening when the blower is starting you should see
> 2-3 inches of lift.
>
> Height depends upon the weight of the paper flexibility, mains voltage, air
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> openings. Use a book to keep the paper secure..Place the book to the right
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> there is air movement. you may try a paper towel too.
>
> Actually I keep tissue paper over the openings here so when power is off it
> drifts down to cover the openings to reduce air borne dust from settling.
> when I fire up the 2000A the blower lifts the tissue paper out of the way
> and exhausts properly.
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> If the lift is below about 1 1/2 inches the air flow is weak
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> Make sure the tube deck and tube cooling fins are clean from any dust.
> Just blowing dust off the inside may not be adequate. Verify the blower
> squirrel cage is clean from dust and debris. You may see a counter weight or
> balance clamp on it..leave it alone that's for balance and is set by ACOM.

> Just ensure the balance clamp has not loosened.
>
> You may have to remove the tubes to blow compressed air through the ribs
> [cooling fins]..Preferred method is with the tubes removed otherwise you'll
> just blow dust back throughout the amp.
>
> Also check for dust and debris under the tube deck. You should have a small
> trap door on the bottom. Open it and gently blow out any dust or debris.
>
> There may also be a possibility the air flow sensor needs to simply be
> re-calibrated/adjusted.
> This is a VERY small adjustment of 2 or 3 degrees in a clockwise direction.
> RP1 is located under the tube deck [that small trap door] I believe it's the
> pot on that circuit board and it is located almost in the center.
>
> RP1 is a 10k pot you can see it on the schematic diagram on the intake
> airflow sensor With my schematics it's on page 12 of 36 but it may be on a
> different page in your documentation.
>
> If you do make this adjustment you must verify the low air protection
> system is functioning!!! temporarily disconnect the blower power.
>
> The "low air" message should appear reliably each time you try to power the
> amp. verify this three times if all is OK then reconnect the blower power.
>
> If the adjustment does not work your air flow detector may be defective and
> you need to contact ACOM for a replacement sensor board.
>
>
> Good luck, and please get back to us here and let us know what you did
>
>
> Martin KA7GKN
>
>
>
> --- In acom-list@yahoogroups.com, "K0DAN" <k0dan@> wrote:
> >
> > Can someone tell me what the ACOM circuit logic decides to qualify as
> > a "LOW AIRFLOW" error and trip the amp?
> >
> > Recently, since 10M has been so good, I have been running 10M
> > AM...with typically 100W to 200W carrier and I have had about a half
> > dozen "low airflow" drops of the amp.
> >
> > SWR is nearly 1:1, drive RF is only about 10W, everything is pretty
> nominal.
> > I never have the "airflow" error even when running 1500W SSB. Granted,
> > AM is a different duty cycle, but it'd seem to me 100-200W carrier is
> > not that big a deal heat-wise. Maybe I am wrong.

> >
> > I have the AUX fan on the rear and the filter is clean. The fans run
> > when they want to. The exhaust ports above the tubes are clear and
> unobstructed.
> > The amp sits on the bottom of a rack and has about 4"-5" of clearance
> > below the next piece of equipment. Air flow in and around the rack is
> > decent and unobstructed.
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> > About once a year I will give myself a hernia, remove the amp from the
> > rack, remove the HV XFRMR and carry the thing to the garage where I
> > open the case and blow out any dust with an airhose. Usually there is
> > some dust, but not clouds or anything you'd expect would create "low
> airflow".
> >
> > I guess it's hernia time, just to blow out the dust and eliminate that
> > variable....has anyone else had experience with a rack-mounted Acom,
> > airflow, "low airflow" error, and other duty cycle issues which might
> > have a bearing here?
> > Thanks and 73
> >
> > Dan
> > K0DAN
> >
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> Yahoo! Groups Links
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> _____ Information from ESET Smart Security, version of virus signature
> database 6564 (20111021) _____
>
> The message was checked by ESET Smart Security.
>
> http://www.eset.com
>

4469. RE: [acom-list] Re: LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 15:34:53 UTC
From: Jim
Topic: 4443 Message: 4469

Marty, Opps! Optional.

Jim

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Saturday, October 22, 2011 11:21 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: LOW AIRFLOW ERROR???

Jim, is that the internal blower or are you describing the optional external fan?

Dan is discussing a possible low air flow challenge from the internal blower.

Marty ka7gkn

--- In acom-list@yahoogroups.com, "Jim" <pywacker@...> wrote:
>
> An Ebmpapst model 4314 24 volt dc. I believe it's the actual accessory fan.
>
> I noticed several outlets who sell this fan.
>
> 73 de KE4WY Jim
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of kamarty456
> Sent: Saturday, October 22, 2011 12:47 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: LOW AIRFLOW ERROR???
>
> How old is your 2000A?
> There may be different generations of air blower motors.
>
> Determine if you have proper air flow with a rough test.
> take a sheet of paper and place it over the left rear corner [facing
> the amp] cover the exhaust opening when the blower is starting you
> should see
> 2-3 inches of lift.
>
> Height depends upon the weight of the paper flexibility, mains
> voltage, air temperature, pressure and humidity etc. the paper should

> cover both tube openings. Use a book to keep the paper secure..Place
> the book to the right of the holes say 4-5 inches so the paper has a
> flap and will move up when there is air movement. you may try a paper
towel too.
>
> Actually I keep tissue paper over the openings here so when power is
> off it drifts down to cover the openings to reduce air borne dust from
settling.
> when I fire up the 2000A the blower lifts the tissue paper out of the
> way and exhausts properly.
>
> If the lift is below about 1 1/2 inches the air flow is weak
>
> Make sure the tube deck and tube cooling fins are clean from any dust.
> Just blowing dust off the inside may not be adequate. Verify the
> blower squirrel cage is clean from dust and debris. You may see a
> counter weight or balance clamp on it..leave it alone that's for balance
and is set by ACOM.
> Just ensure the balance clamp has not loosened.
>
> You may have to remove the tubes to blow compressed air through the
> ribs [cooling fins]..Preferred method is with the tubes removed
> otherwise you'll just blow dust back throughout the amp.
>
> Also check for dust and debris under the tube deck. You should have a
> small trap door on the bottom. Open it and gently blow out any dust or
debris.
>
> There may also be a possibility the air flow sensor needs to simply be
> re-calibrated/adjusted.
> This is a VERY small adjustment of 2 or 3 degrees in a clockwise
direction.
> RP1 is located under the tube deck [that small trap door] I believe
> it's the pot on that circuit board and it is located almost in the center.
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> RP1 is a 10k pot you can see it on the schematic diagram on the intake
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> on a different page in your documentation.
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> If you do make this adjustment you must verify the low air protection
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> power the amp. verify this three times if all is OK then reconnect the
blower power.
>
> If the adjustment does not work your air flow detector may be
> defective and you need to contact ACOM for a replacement sensor board.
>
>

> Good luck, and please get back to us here and let us know what you did
>
>
> Martin KA7GKN
>
>
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> --- In acom-list@yahoogroups.com, "K0DAN" <k0dan@> wrote:
> >
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> > SWR is nearly 1:1, drive RF is only about 10W, everything is pretty
> nominal.
> > I never have the "airflow" error even when running 1500W SSB.
> > Granted, AM is a different duty cycle, but it'd seem to me 100-200W
> > carrier is not that big a deal heat-wise. Maybe I am wrong.
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> > About once a year I will give myself a hernia, remove the amp from
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> > where I open the case and blow out any dust with an airhose. Usually
> > there is some dust, but not clouds or anything you'd expect would
> > create "low
> airflow".
> >
> > I guess it's hernia time, just to blow out the dust and eliminate
> > that variable....has anyone else had experience with a rack-mounted
> > Acom, airflow, "low airflow" error, and other duty cycle issues
> > which might have a bearing here?
> > Thanks and 73
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> > Dan
> > K0DAN
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> Yahoo! Groups Links
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>
> _____ Information from ESET Smart Security, version of virus
> signature database 6564 (20111021) _____
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> The message was checked by ESET Smart Security.
>
> http://www.eset.com
>

Yahoo! Groups Links

_____ Information from ESET Smart Security, version of virus signature
database 6565 (20111022) _____

The message was checked by ESET Smart Security.

http://www.eset.com

4470. Re: [acom-list] Re: LOW AIRFLOW ERROR???

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-22 15:52:49 UTC
From: K0DAN
Topic: 4443 Message: 4470

Hi Martin...

I was just gonna send you an email on this topic (a friend sent me an archive of one of your old emails where you were having "airflow" issues)....you beat me to it!

My Acom is a very early sold in the USA ('98-'99? I think the first...it was the demo unit @ Dayton the first year FinnFet/Acom showed it to the US).

I think I installed my own aux fan...can't remember specs but has always worked OK, and even during a contest running SSB @ 1500W I don't have airflow issues. I don't operate RTTY or other full-duty-cycle modes, so don't know how the amp would do under those parameters. But if I use the amp for AM I'm typically running 100-200W of unmodulated carrier, never more than 300W (rarely). so that would be maybe 500-1000 watts PEP, 1200 PEP max, and supposedly the Acom is happy at 100% duty cycle if using aux fan. (The shack sure gets nice & toasty!)

I am curious why this errors as a "low airflow" versus "high temp" issue? How does the Acom sense airflow (I know it has a thermistor on each of the tube exhaust stacks)?

To your points:

a) I think I have enough exhaust pressure...I keep a Kleenex taped to the edge of the left-rear cabinet to keep dust from settling inside. When the amp is turned on the internal fan blows the Kleenex up vertical and there's plenty of exhaust. Once I started having this "low airflow" issue I removed the Kleenex, but no change. My sense is the exhaust flow is OK.

b) The (self installed) aux input fan I have just came with a grill but no filter, so I have added a thin 1/4" cut-up piece of vacuum cleaner filter over the fan. It does tap dirt and I wash it periodically. This could be the source of low airflow but I doubt it (amp does fine running QRO SSB and the ventilation system seems to "breathe" OK.

c) You mention adjusting "RP1" and that brings back memories. I don't remember the details, but I recognize the component, and I remember I had some type of failure under the tube trap door, and recall replacing or adjust some component(s) under there. I usually keep all my service records in my ACOM file, so will go digging there....could be this is a repeat of whatever that old issue was?!?

I think it is time to "get the hernia" and pull the Acom from the rack, wrestle with the transformer, and get inside it. (Will probably perform the EBS mod while I've got the patient's ribs cracked.) Too many variables to keep guessing on it, the first thing is a thorough cleaning and we'll see

what comes of that. Perfect timing, several contests coming up!

I appreciate your detailed response, will share the results with you when known.

73
dan
k0dan

-----Original Message-----
From: kamarty456
Sent: October 21, 2011 11:46 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: LOW AIRFLOW ERROR???

How old is your 2000A?
There may be different generations of air blower motors.

Determine if you have proper air flow with a rough test.
take a sheet of paper and place it over the left rear corner
[facing the amp] cover the exhaust opening when the blower is starting you should see 2-3 inches of lift.

Height depends upon the weight of the paper flexibility, mains voltage, air temperature, pressure and humidity etc. the paper should cover both tube openings. Use a book to keep the paper secure..Place the book to the right of the holes say 4-5 inches so the paper has a flap and will move up when there is air movement. you may try a paper towel too.

Actually I keep tissue paper over the openings here so when power is off it drifts down to cover the openings to reduce air borne dust from settling. when I fire up the 2000A the blower lifts the tissue paper out of the way and exhausts properly.

If the lift is below about 1 1/2 inches the air flow is weak

Make sure the tube deck and tube cooling fins are clean from any dust.
Just blowing dust off the inside may not be adequate. Verify the blower squirrel cage is clean from dust and debris. You may see a counter weight or balance clamp on it..leave it alone that's for balance and is set by ACOM. Just ensure the balance clamp has not loosened.

You may have to remove the tubes to blow compressed air through the ribs [cooling fins]..Preferred method is with the tubes removed otherwise you'll just blow dust back throughout the amp.

Also check for dust and debris under the tube deck. You should have a small trap door on the bottom. Open it and gently blow out any dust or debris.

There may also be a possibility the air flow sensor needs to simply be re-calibrated/adjusted.
This is a VERY small adjustment of 2 or 3 degrees in a clockwise direction.
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I believe it's the pot on that circuit board and it is located almost in the center.

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If the adjustment does not work your air flow detector may be defective and you need to contact ACOM for a replacement sensor board.

Good luck, and please get back to us here and let us know what you did

Martin KA7GKN

--- In acom-list@yahoogroups.com, "K0DAN" <k0dan@...> wrote:
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> I never have the "airflow" error even when running 1500W SSB. Granted, AM
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> airflow, "low airflow" error, and other duty cycle issues which might have
> a
> bearing here?
> Thanks and 73
>
> Dan
> K0DAN
>

Yahoo! Groups Links

4471. ACOM 1000 : ACTransformer OUT !

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-24 15:36:54 UTC
From: moumoumousse
Topic: 4471 Message: 4471

The AC power transformer of my ACOM 1000 is out of order ! Isolation default of high voltage ! Autoprotection:PN007

I am very surprise because it is the principal piece of an amplifier who need to be very solid. I am not a contester and don't use the amplifier in bad condition. Never use in expedition. Is there a manufacturing fault ? No for ACOM

I think that this repair of transformer is not normal and the cost of this transformer is too expensive : it is 1/4 of the price of the amplifier !!!
I had a TL922 kenwood for 20 years without any problem. Never change the transformer ! only a pair of 3-500Z in 20 years ! and my ACOM 1000 only 6 years old with this big problem of transformer, never remplace the tube.It is the original. I think of product default of this transformer. The fiability of ACOM products is not so impressive and the repair service in Bulgaria is not what we expected when the cost of some piece like this transformert is too expensive.

Reply of ACOM Bulgaria :
" you might agree that the transformer's fault is definitely not a
product default, having in mind that it worked flawless more than 6 years "

I don't consider that 6 Years of life for a transformer is normal.

Best 73/DX Francis **F6BLP**

4472. Re: [acom-list] ACOM 1000 : ACTransformer OUT !

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-24 15:44:23 UTC
From: W5OV@w5ov.com
Topic: 4471 Message: 4472

How do you know that the transformer has failed?

The code only tells you that the High Voltage is not correct at power on.
It does not tell you that the transformer is bad.

Check with your dealer for advice on it.

> The AC power transformer of my ACOM 1000 is out of order ! Isolation
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>
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>
> Best 73/DX Francis **F6BLP**
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4473. Re: ACOM 1000 : ACTransformer OUT !

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-24 16:08:15 UTC
From: moumoumousse
Topic: 4471 Message: 4473

HI BOB

My dealer in France RADIO 33 find this high default voltage ... not me. It is a very good dealer and now my amplifier is in service after changing this transformer.

Best 73

Francis

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> How do you know that the transformer has failed?
>
> The code only tells you that the High Voltage is not correct at power on.
> It does not tell you that the transformer is bad.
>
> Check with your dealer for advice on it.
>
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> > need to be very solid. I am not a contester and don't use the amplifier
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> > I don't consider that 6 Years of life for a transformer is normal.
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> > Best 73/DX Francis **F6BLP**
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> > Yahoo! Groups Links
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4474. RE: [acom-list] Re: ACOM 1000 : ACTransformer OUT !

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 11:29:06 UTC
From: Bob Naumann
Topic: 4471 Message: 4474

OK - I see. The dealer did the additional work and determined that the transformer failed.

I wanted to be clear that the error code does not indicate the transformer failure, but rather that the high voltage is not within specification.

All the error codes direct a technician to the area where there is a problem - not specifically what component is causing the problem.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of moumoumousse
Sent: Monday, October 24, 2011 11:08 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 1000 : ACTransformer OUT !

HI BOB

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Best 73

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Yahoo! Groups Links

4475. Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 18:49:24 UTC
From: Ed Senior
Topic: 4460 Message: 4475

Hello again, fellow ACOMers -

About a week ago, I posted my experience on how ACOM warranties work (or don't work) here in the States. No one commented on my post, and that's OK. But I'm a bit puzzled, and curious: Could someone tell me whether ACOM's dealer-defined warranty system was old news to everyone (except for me). or info that no one finds interesting. or something else???

Thanks, and best regards to the group, Ed

[Non-text portions of this message have been removed]

4476. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 19:00:13 UTC
From: Ron Castro
Topic: 4460 Message: 4476

Ed:

I bought my ACOM 2000A used, although it was only a few months old, back before Array Solutions was a factory service center. I did have one problem that turned out to be a bad solder joint on one of the circuit boards that was fixed by Will Angenent, K6ND at his office near Boston. Even though the amp was used, they still honored the warrantee. No problems since that was done about five years ago.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ed Senior
Sent: Wednesday, October 26, 2011 11:49 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM Warranties and EBS

Hello again, fellow ACOMers -

About a week ago, I posted my experience on how ACOM warranties work (or don't work) here in the States. No one commented on my post, and that's OK. But I'm a bit puzzled, and curious: Could someone tell me whether ACOM's dealer-defined warranty system was old news to everyone (except for me). or info that no one finds interesting. or something else???

Thanks, and best regards to the group, Ed

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4477. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 19:15:37 UTC
From: Callum McC
Topic: 4460 Message: 4477

Hi Ed,

From what I recall of your post, you bought a "used" (week old?) unit from a dealer who gave you a warranty which is fine and perfectly normal for the retailer to hold the warranty. I found your post informative but certainly not news to me.

I recall though that this wasn't a warranty issue at all, this was the delivery service, appointed by the seller, who failed to keep the goods in the right shape and effectively trashed the amp. The dealer then repaired the amp but charged you for postage both ways.

The bottom line is that the dealer's delivery service apparently failed. Maybe the dealer didn't take out appropriate insurance? I don't know. I would have sent a few friends around to help him make his mind up but my approach doesn't suit everyone.

Whatever the problem, it's a delivery issue, not a warranty issue (like the unit wasn't defective as supplied by ACOM).

Callum.

[Non-text portions of this message have been removed]

4478. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 20:13:53 UTC
From: W5OV@w5ov.com
Topic: 4460 Message: 4478

Ed,

You bought the amplifier used (yes, it was just a month old), and we facilitated the entire deal for you, including making all shipping arrangements for you and the seller at no cost to you.

When you discovered that you had a problem, we agreed to fix the amplifier for you as if it was new and under warranty - if you paid the shipping cost. And, the shipping cost was all you paid.

Since we did precisely what we agreed to do for you, and your amplifier was completely repaired under warranty two years ago, even though you were not the original purchaser, I'm not sure what you're unhappy with.

73,

Bob Naumann W5OV
Array Solutions

> Hello again, fellow ACOMers -
>
> About a week ago, I posted my experience on how ACOM warranties work (or
> don't work) here in the States. No one commented on my post, and that's
> OK.
> But I'm a bit puzzled, and curious: Could someone tell me whether ACOM's
> dealer-defined warranty system was old news to everyone (except for me).
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> info that no one finds interesting. or something else???
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> Thanks, and best regards to the group, Ed
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4479. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 20:16:31 UTC
From: Callum McC
Topic: 4460 Message: 4479

Hey Bob,

This proves that you can please some of the people all the time, all of the people some of the time but not all the people all the time :)

C.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: 26 October 2011 21:14
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: ACOM Warranties and EBS

Ed,

You bought the amplifier used (yes, it was just a month old), and we facilitated the entire deal for you, including making all shipping arrangements for you and the seller at no cost to you.

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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4480. Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 21:59:20 UTC
From: eseniors@earthlink.net
Topic: 4460 Message: 4480

Hi Callum,
Thank you for taking the time to comment. I would like to use the "insert" mode to clarify; please see below...

--- In acom-list@yahoogroups.com, "Callum McC" <callum@...> wrote:
>
> Hi Ed,
>
> From what I recall of your post, you bought a "used" (week old?) unit from a
> dealer who gave you a warranty which is fine and perfectly normal for the
> retailer to hold the warranty. I found your post informative but certainly
> not news to me.
>
Per my original post, what I found odd was that ACOM said the warranty terms were entirely determined by the dealer; i.e., there was no factory warranty per se. I also found it unusual that warranty details (the "fine print") were not published, either on paper or online. Maybe I was the only one who didn't know all this.
>
> I recall though that this wasn't a warranty issue at all, this was the
> delivery service, appointed by the seller, who failed to keep the goods in
> the right shape and effectively trashed the amp. The dealer then repaired
> the amp but charged you for postage both ways.
>
The reason the dreaded "Brown" service was chosen was that the dealer said he had a contract with that service which included no-nonsense insurance to protect me; otherwise, I would never have agreed to use them. However, when "Brown" damaged the shipment, the dealer did not cooperate in making an insurance claim; so I took the hit.
>
> The bottom line is that the dealer's delivery service apparently failed.
> Maybe the dealer didn't take out appropriate insurance? I don't know. I
> would have sent a few friends around to help him make his mind up but my
> approach doesn't suit everyone.
>
> Whatever the problem, it's a delivery issue, not a warranty issue (like the
> unit wasn't defective as supplied by ACOM).
>
Per my original post, there was ALSO an ACOM defect: They omitted the internal stabilizer that might have protected the capacitor bank from "Brown's" brutality. (This according to the dealer.) That is why the warranty came into play.
>
>
> Callum.
>
> [Non-text portions of this message have been removed]
>

4481. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-26 23:58:21 UTC
From: Jim Cox
Topic: 4460 Message: 4481

Sounds as if Array Solutions went out of their way to please the customer. I have been very pleased with the service and helpful conversations I have had with them.

Jim K4JAF

From: Callum McC
Sent: Wednesday, October 26, 2011 3:16 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: ACOM Warranties and EBS

Hey Bob,

This proves that you can please some of the people all the time, all of the people some of the time but not all the people all the time :)

C.

From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
Of mailto:W5OV%40w5ov.com
Sent: 26 October 2011 21:14
To: mailto:acom-list%40yahoogroups.com
Subject: Re: [acom-list] Re: ACOM Warranties and EBS

Ed,

You bought the amplifier used (yes, it was just a month old), and we facilitated the entire deal for you, including making all shipping arrangements for you and the seller at no cost to you.

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4482. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 00:13:56 UTC
From: William Beyer (WILD BILL)
Topic: 4460 Message: 4482

Bob does a great job. @ A.S.

73

Bill N2WB (WILD BILL)

DX RULES !!!

----- Original Message -----
From: Jim Cox
To: acom-list@yahoogroups.com
Sent: Wednesday, October 26, 2011 7:58 PM
Subject: Re: [acom-list] Re: ACOM Warranties and EBS

Sounds as if Array Solutions went out of their way to please the customer. I have been very pleased with the service and helpful conversations I have had with them.

Jim K4JAF

From: Callum McC
Sent: Wednesday, October 26, 2011 3:16 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: ACOM Warranties and EBS

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C.

From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
Of mailto:W5OV%40w5ov.com
Sent: 26 October 2011 21:14
To: mailto:acom-list%40yahoogroups.com
Subject: Re: [acom-list] Re: ACOM Warranties and EBS

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4483. Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 01:47:25 UTC
From: eseniors@earthlink.net
Topic: 4460 Message: 4483

Hi Bob,

Thank you for your input to this discussion. Before responding, I would like to point out that none of my posts identified the dealer involved in my ACOM purchase. And those posts were not intended to be a dealer-related complaint; the time for that is long past. I related my experience because it seemed relevant to the EBS discussions involving ACOM warranties.

But since you decided to discuss your role, in this forum, I will respond to specific points below...

Thanks, Ed

--- In acom-list@...m, W5OV@... wrote:
>
> Ed,
>
> You bought the amplifier used (yes, it was just a month old), and we
> facilitated the entire deal for you, including making all shipping
> arrangements for you and the seller at no cost to you.
>
The seller wanted to ship FX; and I agreed that FX would be much less risky than the brutal Browns. However, even FX would have involved significant shipping risk. And I could not buy adequate insurance against that risk, because it simply isn't available to consumers. (FX will sell you a permit to file a claim, but not actual insurance.)

When that problem was brought to your attention, you said that as a big Brown shipper, you had big time insurance in your Brown contract. Then you kindly offered to arrange for shipping under your name, if reimbursed for the cost. That was much appreciated, and it SEEMED to resolve the shipping risk issue. So the whole deal went forward on that basis.

> When you discovered that you had a problem, we agreed to fix the amplifier
> for you as if it was new and under warranty - if you paid the shipping
> cost. And, the shipping cost was all you paid.
>
This is true as far as it goes, but is not the whole story.

1. I don't really accept describing the situation as "my" problem, given that I did nothing wrong, and that I was supposed to be protected by both a warranty and solid insurance. But let's not dwell on semantics.

2. You say here "AS IF it was... under warranty." The agreement we had was that the amp WAS under warranty, unambiguously. More semantics.

3. "If (I) paid the shipping cost" sweeps a problem under the rug: Web-published ACOM warranty descriptions say that RETURN shipping of warranty work to the customer is at ACOM/dealer expense. That representation was not honored, in this case. No explanation

given.

4. Probably ALL the extra shipping resulting from Brown mishandling should have been at Brown expense--had you elected to make or support an insurance claim; but you didn't. Again, no explanation given.

> Since we did precisely what we agreed to do for you, and your amplifier
> was completely repaired under warranty two years ago, even though you were
> not the original purchaser, I'm not sure what you're unhappy with.
>
Parts of this aren't true, and other parts aren't the whole story.

1. You didn't do "precisely what (you) agreed to do," because you failed to invoke the insurance coverage that you promised, and that was crucial to the deal.

2. My understanding of a warranty repair is that the repair will either be as good as new, or if that cannot be done, the unit will be replaced. Neither one happened in my case. The repair was crudely done, and to put it bluntly, it looks like one of my Junior High shop projects. And even if one overlooks the workmanship problems, the unit still wasn't "completely repaired." The spacer/stabilizer that you said the factory should have installed was still missing. But to be fair and balanced here, the repair WORKS just fine.

As to "what (I was) unhappy with," I think I explained that quite clearly in my original post; but here is an alternative version:

So far, no one has suggested ANYTHING that I did wrong during the course of this transaction. In fact, I correctly anticipated things OTHER players were going to do wrong (e.g., Brown shipping damage), and did everything possible to prevent or mitigate them. But in the end, I got stuck with two extra rounds of shipping expense, plus hours spent diagnosing, discussing, documenting, packing, and unpacking, plus about two months of lost use. And I now have a pricey amp that looks shabby on the inside, and is still missing a significant factory part (according to you).

Should I be a little unhappy about all that? It's a matter of opinion, I suppose. Maybe I'm just a grumpy, unreasonable guy. But getting back to the original post, it's not about me, and I'm not looking for sympathy. I was just trying to shine a little light on the mysterious world of ACOM warranties, in case that might help someone else avoid problems.

> 73,
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> Bob Naumann W5OV
> Array Solutions
>
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> > Hello again, fellow ACOMers -
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4484. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 02:16:04 UTC
From: Joel Kornreich
Topic: 4460 Message: 4484

*I somehow believed this group was for Acom and infomation pertaining to their amplifiers. Can we move ahead and put your personal warranty problem not on this site. Your problem does not involve Acom but how you handled the situation. Your way off target.....Let's move on as I'm bored..... *
On Wed, Oct 26, 2011 at 9:47 PM, <eseniors@...> wrote:

> **
>
>
>
>
> Hi Bob,
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> Thank you for your input to this discussion. Before responding, I would
> like to point out that none of my posts identified the dealer involved in my
> ACOM purchase. And those posts were not intended to be a dealer-related
> complaint; the time for that is long past. I related my experience because
> it seemed relevant to the EBS discussions involving ACOM warranties.
>
> But since you decided to discuss your role, in this forum, I will respond
> to specific points below...
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> --- In acom-list@yahoogroups.com, W5OV@... wrote:
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> shipping risk. And I could not buy adequate insurance against that risk,
> because it simply isn't available to consumers. (FX will sell you a permit
> to file a claim, but not actual insurance.)
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> When that problem was brought to your attention, you said that as a big
> Brown shipper, you had big time insurance in your Brown contract. Then you
> kindly offered to arrange for shipping under your name, if reimbursed for
> the cost. That was much appreciated, and it SEEMED to resolve the shipping
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>
> 2. My understanding of a warranty repair is that the repair will either be
> as good as new, or if that cannot be done, the unit will be replaced.
> Neither one happened in my case. The repair was crudely done, and to put it
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>
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4485. Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 03:16:34 UTC
From: eseniors@earthlink.net
Topic: 4460 Message: 4485

Hi Joel,

Silly me, I thought that ACOM warranty info WAS "information pertaining to their amplifiers"--especially in the context of a recent thread expressing concerns about EBS mod's "voiding warranties." Hmmm. My bad, I guess. 8~/

As I said in my most recent post, I'm not looking for group sympathy regarding my ill-fated ACOM purchase. But since someone decided to post comments on my situation that included factual errors and omissions, I felt the need to correct the record.

I can sympathize with your boredom, as I was hoping to watch the (rained out) World Series on the telly tonight. But if my posts are what's boring you, I respectfully suggest that you don't read them.

In any case, I agree with you that enough has been said on this in the forum. If anyone wants to continue the thread, I suggest doing so privately, via email. Fair enough?

Ed

--- In acom-list@yahoogroups.com, Joel Kornreich <k2qbv2@...> wrote:
>
> *I somehow believed this group was for Acom and infomation pertaining to
> their amplifiers. Can we move ahead and put your personal warranty problem
> not on this site. Your problem does not involve Acom but how you handled the
> situation. Your way off target.....Let's move on as I'm bored..... *
> On Wed, Oct 26, 2011 at 9:47 PM, <eseniors@...> wrote:
>

4486. Acom 1000 repair: TRI indicator wildly moving from left to right and visa-versa

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 10:19:00 UTC
From: Kees - pa7two
Topic: 4486 Message: 4486

Hi Acom users,

About two months ago a new and
unexpected phenomenon started surfacing while using my Acom 1000.

The phenomenon was that the TRI
indicator wildly moved from left to right and back on the front-panel LCD while the amp was tuned and 'in use'. This happened when the tube/amp was a bit warmed-up, most noticeable when amp was used the first time after a long cool down.

The TRI was stable for several seconds,
then started wandering around, next stable again and yet the whole cycle repeated itself. When I let the AMP cool down for a prolonged period of time, the TRI was stable again for a short period of time. At first I inspected all coax / antennae, but the exact same TRI moving behavior occurred using a dummyload.

I contacted Acom in Bulgaria and got
prompt the same day a response with the first instructions to start with. These instructions mainly consisted of measuring the voltages on the main control board PCB (next to the LCD) to start with, this to determine which PCB was faulty. No irregular voltages could be found while conducting the various tests. Stan asked me to focus also on the C7 & C8 on the Wattmeter PCB, as this was a reported problem in one repaired Acom 1000. When at first no faulty components / unexpected voltages could be found, I replaced two the two capacitors on the Wattmeter PCB. This did at first gave an excellent result for about 6 hours of amp usage, but read on...the next day the TRI indicator walked again from left to right :-(

The next day I inspected again closely
the components on the Wattmeter PCB and again could not find anything unexpected. I decided to re-solder all components in charge of the Forward Detector Circuit (JP1:1) TRI voltages namely
D2, C7, C8, R9, C9, RP3, C10, R10, and R11. A questionable thing to do, since in general SMD devices are to be soldered just one time only...

Also
the resistor bed of RxA/RxB (8 resistors of 100 ohm each) were checked and when I touched one of the resistors, I noticed a movement of a 10th
of a millimeter of the R1B resistor body! (I used three magnifiers in cascade to observe this. If I had 'blinked 'my eyelid at the same

time, I would have missed this 'movement' for sure!)

When
I touched the solder-pad with a SMD solder-tool to suck the solderpad empty, the resistor fell off
the PCB, leaving a 10th
of millimetre of ceramic material to the other solder-pad. The
culprit was found. A cracked ceramic resistor body! Amp
in cold state the resistor value OK, when warm the resistor was
'open'. When measured with a multimeter, the push of the two
measuring multimeter pins against the ceramic body pushed the two
parts close enough to each other to measure the correct resistor
value (100 Ohm)...
Darn,
this was a real difficult one to trace. Visually nothing in error / unexpected could be observed when the resistor was factory soldered onto and in position on the PCB.

I
have to mention that Acom Bulgaria, namely Stan LZ1IU, and Acom's
'spare part shipping' department too, were (again) extremely helpful
finding the culprit in my Acom 1000 amp and sending out quickly the
spare parts. Many emails with helpful hints & tips and clear
instructions were provided every time I had to report that the
culprit was not yet found. It was the first time that Acom was
confronted with a broken resistor body on the Wattmeter PCB.

I
would like to write one last sentence here : A BIG 'thank you' to Acom
Bulgaria. A true superb after sales service! The amp is up &
running again, just in time for the SSB contest this weekend :-)

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

[Non-text portions of this message have been removed]

4487. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 11:04:00 UTC
From: Bob Naumann
Topic: 4460 Message: 4487

Ed,

The problem here is one of perception not of semantics.

A used amplifier - even one that is only a month old - is not under a warranty of any kind. That is a fact - not a semantic interpretation.

So there is no mystery - if you're not the original purchaser, there is no warranty.

We did you a favor - and we were under no obligation to do anything for you. In retrospect, I should have refused to get involved in this re-sale for the seller and to assist you with making the shipping arrangements.

You might not have bought the amplifier, and this discussion would not be happening.

So, our new policy is: never get involved in the resale of any of our equipment or offer to help with making shipping arrangements like we did in this case.

Your expectation of getting warranty treatment and support as if you had purchased the amplifier new from a dealer is where you went wrong.

If you wanted the luxury of having the privileges of an original owner, you should have paid the extra money to purchase a new amplifier yourself - it's really that simple.

Regarding what UPS would or would not cover - there is no way that UPS would pay for a capacitor flopping over sideways inside an amplifier.

If there's no apparent damage to the outside of the carton, they are unlikely to cover anything. This is just the fact of dealing with shipping insurance coverage.

I'm glad your amplifier is working perfectly and has been since we repaired it.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of eseniors@...
Sent: Wednesday, October 26, 2011 8:47 PM
To: acom-list@yahoogroups.com

Subject: [acom-list] Re: ACOM Warranties and EBS

Hi Bob,

Thank you for your input to this discussion. Before responding, I would like to point out that none of my posts identified the dealer involved in my ACOM purchase. And those posts were not intended to be a dealer-related complaint; the time for that is long past. I related my experience because it seemed relevant to the EBS discussions involving ACOM warranties.

But since you decided to discuss your role, in this forum, I will respond to specific points below...

Thanks, Ed

--- In acom-list@yahoogroups.com, W5OV@... wrote:
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> Ed,
>
> You bought the amplifier used (yes, it was just a month old), and we
> facilitated the entire deal for you, including making all shipping
> arrangements for you and the seller at no cost to you.
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When that problem was brought to your attention, you said that as a big Brown shipper, you had big time insurance in your Brown contract. Then you kindly offered to arrange for shipping under your name, if reimbursed for the cost. That was much appreciated, and it SEEMED to resolve the shipping risk issue. So the whole deal went forward on that basis.

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This is true as far as it goes, but is not the whole story.

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4. Probably ALL the extra shipping resulting from Brown mishandling should have been at Brown expense--had you elected to make or support an insurance claim; but you didn't. Again, no explanation given.

> Since we did precisely what we agreed to do for you, and your amplifier
> was completely repaired under warranty two years ago, even though you were
> not the original purchaser, I'm not sure what you're unhappy with.
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Parts of this aren't true, and other parts aren't the whole story.

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2. My understanding of a warranty repair is that the repair will either be as good as new, or if that cannot be done, the unit will be replaced. Neither one happened in my case. The repair was crudely done, and to put it bluntly, it looks like one of my Junior High shop projects. And even if one overlooks the workmanship problems, the unit still wasn't "completely repaired." The spacer/stabilizer that you said the factory should have installed was still missing. But to be fair and balanced here, the repair WORKS just fine.

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Yahoo! Groups Links

4488. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 11:12:43 UTC
From: Kees - pa7two
Topic: 4460 Message: 4488

I disagree on this. In general it does matter to have this kinda feedback information before you buy a product from a manufacturer. What one can expect of the warranty and most importantly, what not. That is generically applicable for buying an Acom amp, but also for instance when buying something completely different like a new TV set for in the living-room or kitchen cooker.

Fortunately it is very different in my country when it comes to warranty & Acom, see my last posted message about my latest Acom 1000 repair. The factory in Bulgaria gave excellent feedback & instructions and service too in sending spareparts in multiple occasions when one of my the two Acom amps was in error in the past.

This is how we in general experience Acom's after sales service here in Europe: >> UFB!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

> To: eseniors@...; acom-list@yahoogroups.com
> From: k2qbv2@...
> Date: Wed, 26 Oct 2011 22:16:04 -0400
> Subject: Re: [acom-list] Re: ACOM Warranties and EBS
>
> *I somehow believed this group was for Acom and infomation pertaining to
> their amplifiers. Can we move ahead and put your personal warranty problem
> not on this site. Your problem does not involve Acom but how you handled the
> situation. Your way off target.....Let's move on as I'm bored..... *
> On Wed, Oct 26, 2011 at 9:47 PM, <eseniors@...> wrote:
>
> > **
> > >
> > >
> > >
> > >
> > > Hi Bob,
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4489. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 12:53:08 UTC
From: Ivan
Topic: 4460 Message: 4489

Hi,
I understand nothing, I purchase Acom 2000A, on november 2000, I have had some problems before finished warranty and the Acom Team Europe (Bulgaria) gave to my an excellent service in warranty time and also when finish the warranty, all solved without any problem in 2011 is working 100% as the first day eleven years after purchase.
I congratulate everytime the Acom Service Team for her user attention.
73´s From the Canary Islands
Ivan EA8YG (EE8YG)

El 27/10/2011 12:04, Bob Naumann escribió:
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> warranty of any kind. That is a fact - not a semantic interpretation.
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> So there is no mystery - if you're not the original purchaser, there is no
> warranty.
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> We did you a favor - and we were under no obligation to do anything
> for you.
> In retrospect, I should have refused to get involved in this re-sale
> for the
> seller and to assist you with making the shipping arrangements.
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> You might not have bought the amplifier, and this discussion would not be
> happening.
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> So, our new policy is: never get involved in the resale of any of our
> equipment or offer to help with making shipping arrangements like we
> did in
> this case.
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> Your expectation of getting warranty treatment and support as if you had
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> If you wanted the luxury of having the privileges of an original
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> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>] On Behalf
> Of eseniors@... <mailto:eseniors%40earthlink.net>
> Sent: Wednesday, October 26, 2011 8:47 PM
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4490. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 13:04:23 UTC
From: Kees - pa7two
Topic: 4460 Message: 4490

Hi Ivan,

I just read I am not the only one with the experience of the truly excellent service of Acom Bulgaria.

Something that can be learned from by others from I would say!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: ea8yg@...
Date: Thu, 27 Oct 2011 13:53:08 +0100
Subject: Re: [acom-list] Re: ACOM Warranties and EBS

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>

> 1. You didn't do "precisely what (you) agreed to do," because you

> failed to

> invoke the insurance coverage that you promised, and that was crucial

> to the

> deal.

>

> 2. My understanding of a warranty repair is that the repair will either be

> as good as new, or if that cannot be done, the unit will be replaced.

> Neither one happened in my case. The repair was crudely done, and to

> put it

> bluntly, it looks like one of my Junior High shop projects. And even

> if one

> overlooks the workmanship problems, the unit still wasn't "completely

> repaired." The spacer/stabilizer that you said the factory should have

> installed was still missing. But to be fair and balanced here, the repair

> WORKS just fine.

>

> As to "what (I was) unhappy with," I think I explained that quite

> clearly in

> my original post; but here is an alternative version:

>

> So far, no one has suggested ANYTHING that I did wrong during the

> course of

> this transaction. In fact, I correctly anticipated things OTHER

> players were

> going to do wrong (e.g., Brown shipping damage), and did everything

> possible

> to prevent or mitigate them. But in the end, I got stuck with two extra

> rounds of shipping expense, plus hours spent diagnosing, discussing,

> documenting, packing, and unpacking, plus about two months of lost

> use. And

> I now have a pricey amp that looks shabby on the inside, and is still

> missing a significant factory part (according to you).

>

> Should I be a little unhappy about all that? It's a matter of opinion, I

> suppose. Maybe I'm just a grumpy, unreasonable guy. But getting back

> to the

> original post, it's not about me, and I'm not looking for sympathy. I was

> just trying to shine a little light on the mysterious world of ACOM

> warranties, in case that might help someone else avoid problems.

>

> > 73,

> >

> > Bob Naumann W5OV

> > Array Solutions

> >

> >

> >

> >

> > > Hello again, fellow ACOMers -

> > >

> > > About a week ago, I posted my experience on how ACOM warranties

> work (or

> > > don't work) here in the States. No one commented on my post, and

> that's

> > > OK.

> > > But I'm a bit puzzled, and curious: Could someone tell me whether

> ACOM's

> > > dealer-defined warranty system was old news to everyone (except

> for me).

> > > or

> > > info that no one finds interesting. or something else???

> > >

> > > Thanks, and best regards to the group, Ed

> > >

> > >

> > >

> > >

> > >

> > > [Non-text portions of this message have been removed]

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> > > Yahoo! Groups Links

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4491. Acom 1000 repair: TRI indicator wildly moving from left to right and visa-versa (Added info abt TX mode used during testing)

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 13:47:50 UTC
From: Kees - pa7two
Topic: 4486 Message: 4491

Hi Acom users, (Added info abt TX mode used during testing)

About two months ago a new and unexpected phenomenon started surfacing while using my Acom 1000.

The phenomenon was that in CW keydown mode the TRI indicator wildly moved from left to right and back on the front-panel LCD while the amp was tuned and 'in use'. This happened when the tube/amp was a bit warmed-up, most noticeable when amp was used the first time after a long cool down.

The TRI was stable for several seconds, then started wandering around, next stable again and yet the whole cycle repeated itself. When I let the AMP cool down for a prolonged period of time, the TRI was stable again for a short period of time. At first I inspected all coax / antennae, but the exact same TRI

moving behavior occurred using a dummyload.

I contacted Acom in Bulgaria and got prompt the same day a response with the first instructions to start with. These instructions mainly consisted of measuring the voltages on the main control board PCB (next to the LCD) to start with, this to determine which PCB was faulty. No irregular voltages could be found while conducting the various tests. Stan asked me to focus also on the C7 & C8 on the Wattmeter PCB, as this was a reported problem in one repaired Acom 1000. When at first no faulty components / unexpected voltages could be found, I replaced two the two capacitors on the Wattmeter PCB. This did at first gave an excellent result for about 6 hours of amp usage, but read on...the next day the TRI indicator walked again from left to right :-(

The next day I inspected again closely the components on the Wattmeter PCB and again could not find anything unexpected. I decided to re-solder all components in charge of the Forward Detector Circuit (JP1:1) TRI voltages namely D2, C7, C8, R9, C9, RP3, C10, R10, and R11. A questionable thing to

do, since in general SMD devices are to be soldered just one time only...

Also the resistor bed of RxA/RxB (8 resistors of 100 ohm each) were checked and when I touched one of the resistors, I noticed a movement

of a 10th of a millimeter of the R1B resistor body! (I used three magnifiers in cascade to observe this. If I had 'blinked 'my eyelid at the same

time, I would have missed this 'movement' for sure!)

When I touched the solder-pad with a SMD solder-tool to suck the solderpad empty, the resistor fell off the PCB, leaving a 10th of millimetre of ceramic material to the other solder-pad. The culprit was found. A cracked ceramic resistor body! Amp in cold state the resistor value OK, when warm the resistor was 'open'. When measured with a multimeter, the

push of the two measuring multimeter pins against the ceramic body pushed the two

parts close enough to each other to measure the correct resistor value (100 Ohm)... Darn, this was a real difficult one to trace. Visually nothing in error / unexpected could be observed when the resistor was factory soldered onto and in position on the PCB.

I have to mention that Acom Bulgaria, namely Stan LZ1IU, and Acom's 'spare part shipping' department too, were (again) extremely helpful

finding the culprit in my Acom 1000 amp and sending out quickly the spare parts. Many emails with helpful hints & tips and clear instructions were provided every time I had to report that the culprit was not yet found. It was the first time that Acom was confronted with a broken resistor body on the Wattmeter PCB.

I would like to write one last sentence here : A BIG 'thank you' to Acom Bulgaria. A true superb after sales service! The amp is up & running again, just in time for the SSB contest this weekend :-)

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: pa7two@...
Date: Thu, 27 Oct 2011 10:19:00 +0000
Subject: [acom-list] Acom 1000 repair: TRI indicator wildly moving from left to right and visa-versa

Hi Acom users,

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unexpected phenomenon started surfacing while using my Acom 1000.

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indicator wildly moved from left to right and back on the front-panel

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Vy 73, de Kees.

AmateurRadio : PA7TWO

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[Non-text portions of this message have been removed]

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4492. Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 16:15:59 UTC
From: n5qs
Topic: 4460 Message: 4492

I firmly believe that this discussion is important if only to allow informed decisions as to repair options when home repair gets past your abilities.

My experience
My 2000A was purchased used and out of warranty so there is no doubt that I had to pay all expenses.
This has been a while ago and my memory will cause a few details to be fuzzy.
My amp exhibited a bias error with no warning and was operation shortly before the error at 1450 watts with no strain and everything working very well.
After several conversations with Jay and Bob and running many tests I decided that the amp needed more expertise than I have.
I arranged to have the amp hand delivered to them(a 6 hour drive).

Now some background
The original owner had talked to the factory before purchase and was assured that EVERYTHING in this amp could be repaired in the US no matter what happened and this was one of the considerations to his purchase and my later purchase from him.

They worked on the amp for several weeks with many calls to the factory including changing out the tubes for known good tubes.
Since the amp was hand delivered they had my transformer to test with the amp.
It was finally decided that the amp would need to be returned to Bulgaria for repair at my expense estimated to be around $600.00.

As a comment along the way Jay and Bob put many hours into this amp and I don't think they charged me anything for their time and I am very happy with their efforts.

At the factory the amp was supposedly repaired and after another 3 months or so finally returned. I drove to Dallas and hand picked up the amp. The bill was slightly less than $2000.00 including shipping.

I got home and set it up and had a high voltage error.

At this point I ran basic tests including the interlock switches and decided that after spending that much money I did not want to make any changes until Acom had it working.

I drove back to Dallas and the amp hit the bench within minutes of me walking in the door and they worked on it until I was forced to leave the next day with no success.
They later found that one of the interlock switches would check good to an ohm meter but would not work under load.
Several more hours from Bob and Jay that they did not get paid for.

I then had a friend pick up the amp and hand carry it back to me and it has worked fine since then.

My problems with this are with the factory repair.
1) I do not believe it needed a new set of tubes.

2) They did not return my old tubes
3) they did not give any explanation of the problems found and I was not able to get any explanation after the fact even though I asked many times.
4) on inspection the amp was still dirty on the inside and was obviously not inspected and cleaned
5) the amp was obviously not tested as a final stage before shipping it back to me.
6) I feel that the price was very excessive for what I can learn was done

Sorry for the long post but feel it is necessary
I love the amp and if I had known what I do now would have purchased a new one or an Alpha it would have cost less.

Roger

4493. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 16:24:31 UTC
From: paul glassman
Topic: 4460 Message: 4493

High caliber customer service is a creation of the USA. If you ever travel abroad be prepared to be treated like something stuck on the bottom of your shoe if you are a client in need of customer service!

73 Paul w8jn (owner of three previous 2000a's)

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

From: n5qs <ygroup@...>
To: acom-list@yahoogroups.com
Sent: Thursday, October 27, 2011 12:15 PM
Subject: [acom-list] Re: ACOM Warranties and EBS

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Roger

[Non-text portions of this message have been removed]

4494. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 17:46:37 UTC
From: tim hague
Topic: 4460 Message: 4494

Sweeping Generalisation I think...

Tim M0AFJ
Owner of a Acom 1000 and recipient of outstanding UK based customer service...

On 27/10/2011 17:24, paul glassman wrote:
>
> High caliber customer service is a creation of the USA. If you ever
> travel abroad be prepared to be treated like something stuck on the
> bottom of your shoe if you are a client in need of customer service!
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> _____
> From: n5qs <ygroup@... <mailto:ygroup%40white-tiger.org>>
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Sent: Thursday, October 27, 2011 12:15 PM
> Subject: [acom-list] Re: ACOM Warranties and EBS
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> Roger
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> [Non-text portions of this message have been removed]
>
>

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4495. RE: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 18:02:35 UTC
From: John Lemay
Topic: 4460 Message: 4495

Given that I now run my own business here in the UK, I certainly resent Paul's comment.

Furthermore, I recently needed help from MFJ, and they couldn't even be bothered to reply.

John G4ZTR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of tim hague
Sent: 27 October 2011 18:47
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: ACOM Warranties and EBS

Sweeping Generalisation I think...

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Owner of a Acom 1000 and recipient of outstanding UK based customer service...

On 27/10/2011 17:24, paul glassman wrote:
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>
>

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_____ Information from ESET NOD32 Antivirus, version of virus signature
database 6580 (20111027) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

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[Non-text portions of this message have been removed]

4496. Re: [acom-list] Re: ACOM Warranties and EBS

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-27 18:27:28 UTC
From: paul glassman
Topic: 4460 Message: 4496

John,
   You are the exception! Keep in mind that I am the worlds foremost authority on my own opinion.
                                                    73 Paul w8jn
ps... my spell check is stuck on British spelling of english... Most annoying!

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

From: John Lemay <john@...>
To: acom-list@yahoogroups.com
Sent: Thursday, October 27, 2011 2:02 PM
Subject: RE: [acom-list] Re: ACOM Warranties and EBS

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Of tim hague
Sent: 27 October 2011 18:47
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Subject: Re: [acom-list] Re: ACOM Warranties and EBS

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> I firmly believe that this discussion is important if only to allow
> informed decisions as to repair options when home repair gets past
> your abilities.
>
> My experience
> My 2000A was purchased used and out of warranty so there is no doubt
> that I had to pay all expenses.
> This has been a while ago and my memory will cause a few details to be
> fuzzy.
> My amp exhibited a bias error with no warning and was operation
> shortly before the error at 1450 watts with no strain and everything
> working very well.
> After several conversations with Jay and Bob and running many tests I
> decided that the amp needed more expertise than I have.
> I arranged to have the amp hand delivered to them(a 6 hour drive).
>
> Now some background
> The original owner had talked to the factory before purchase and was
> assured that EVERYTHING in this amp could be repaired in the US no
> matter what happened and this was one of the considerations to his
> purchase and my later purchase from him.
>
> They worked on the amp for several weeks with many calls to the
> factory including changing out the tubes for known good tubes.
> Since the amp was hand delivered they had my transformer to test with
> the amp.
> It was finally decided that the amp would need to be returned to
> Bulgaria for repair at my expense estimated to be around $600.00.
>
> As a comment along the way Jay and Bob put many hours into this amp
> and I don't think they charged me anything for their time and I am
> very happy with their efforts.
>
> At the factory the amp was supposedly repaired and after another 3
> months or so finally returned. I drove to Dallas and hand picked up
> the amp. The bill was slightly less than $2000.00 including shipping.
>
> I got home and set it up and had a high voltage error.
>
> At this point I ran basic tests including the interlock switches and

> decided that after spending that much money I did not want to make any
> changes until Acom had it working.
>
> I drove back to Dallas and the amp hit the bench within minutes of me
> walking in the door and they worked on it until I was forced to leave
> the next day with no success.
> They later found that one of the interlock switches would check good
> to an ohm meter but would not work under load.
> Several more hours from Bob and Jay that they did not get paid for.
>
> I then had a friend pick up the amp and hand carry it back to me and
> it has worked fine since then.
>
> My problems with this are with the factory repair.
> 1) I do not believe it needed a new set of tubes.
> 2) They did not return my old tubes
> 3) they did not give any explanation of the problems found and I was
> not able to get any explanation after the fact even though I asked
> many times.
> 4) on inspection the amp was still dirty on the inside and was
> obviously not inspected and cleaned
> 5) the amp was obviously not tested as a final stage before shipping
> it back to me.
> 6) I feel that the price was very excessive for what I can learn was done
>
> Sorry for the long post but feel it is necessary
> I love the amp and if I had known what I do now would have purchased a
> new one or an Alpha it would have cost less.
>
> Roger
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

_____ Information from ESET NOD32 Antivirus, version of virus signature
database 6580 (20111027) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

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[Non-text portions of this message have been removed]

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4497. Acom 1000 - Temperature Reading

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-28 13:21:59 UTC
From: gm4znc@aol.com
Topic: 4497 Message: 4497

Hi guys

As chance would have it, just before a contest, my Acom 1000 Exhaust Air Temperature reading states: Exh. Air -16C 0F constantly during standby & use. The amplifier appears to working fine during general use (CW & SSB only) including the normal operational temperature rises and the tube appears to be cooled by the internal fan.

Any guidance would be appreciated.

73

Bill
GM4ZNC

4498. Re: Acom 1000 - Temperature Reading

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-28 15:53:32 UTC
From: gm4znc@aol.com
Topic: 4497 Message: 4498

Hi guys

As a follow up to my last request, I have received an excellent response from Ron at Vine Antennas (UK) explaining the problem & its solution.

It would appear "this fault has often been traced to the expiry of C1 and C2 on the temperature sensor board...." & "...are best replaced with regular wire-ended components...", so if anyone else has a similar problem !

Thanks for the bandwidth & many thanks to Ron (Vine Antenns).

Best 73

Bill
GM4ZNC

--- In acom-list@yahoogroups.com, gm4znc@... wrote:
>
> Hi guys
>
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>
> Any guidance would be appreciated.
>
> 73
>
> Bill
> GM4ZNC
>

4499. Re: [acom-list] Re: Acom 1000 - Temperature Reading

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-28 17:05:45 UTC
From: Mike Harris
Topic: 4497 Message: 4499

G'day,

How old is the 1000.

Regards,

Mike VP8NO

On 28/10/2011 12:53, gm4znc@... wrote:
>
>
> Hi guys
>
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> Thanks for the bandwidth& many thanks to Ron (Vine Antenns).
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> Bill
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>> Any guidance would be appreciated.
>>
>> 73
>>
>> Bill
>> GM4ZNC
>>
>
>
>

>
> ------------------------------------
>
> Yahoo! Groups Links
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>

4500. Re: Acom 1000 - Temperature Reading

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-28 18:22:58 UTC
From: gm4znc@aol.com
Topic: 4497 Message: 4500

Hi Mike

I bought the amplifier in September 2008 (second owner) & it was approximately 1 year old then, so 4 years +/- some months.

It did not nor has had much use during that time but from Rons description, it appears to be a known 'problem' which looks easy enough to repair (hopefully).

Enjoy your forthcoming summer.

Cheers, Beers & 73

Bill
GM4ZNC

--- In acom-list@yahoogroups.com, Mike Harris <mike.harris@...> wrote:
>
> G'day,
>
> How old is the 1000.
>
> Regards,
>
> Mike VP8NO
>
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>

4501. Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-29 00:26:01 UTC
From: eseniors@earthlink.net
Topic: 4460 Message: 4501

Forum members: I apologize for using more bandwidth on this.

My original point was to give warranty info to the Forum. But I made the mistake of using my own case as an example, and now posts about my case have drowned out my intended topic.

I will make no more Forum posts on this, even if other posts misrepresent the facts of my case. I'm available by email if further discussion is needed.

Bob,

I will point out (again) that I did not identify you as the dealer involved in my situation; you chose to identify yourself.

Also, please note that I'm trying to put this mess in the past, and I don't want to hold a grudge. I wish you, Array Solutions, and ACOM success.

That said, several of your latest comments require a response. Please see below...

Ed

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> Ed,
>
> The problem here is one of perception not of semantics.
>
> A used amplifier - even one that is only a month old - is not under a
> warranty of any kind. That is a fact - not a semantic interpretation.
>
> So there is no mystery - if you're not the original purchaser, there is no
> warranty.
>
I have no problem with you making a no-warranty policy. ACOM told me directly that US dealers determine warranty terms entirely. (That was one of the points I was trying to make in my original post.)

However, I must point out some relevant facts:

1. You personally told me before the transaction that you would accept a full warranty transfer to me. (And no, I didn't get it in writing.)

2. For perspective, ACOM seems to consider it OK to transfer warranties; and your counterpart on the East Coast has told me directly that he accepts such transfers.

3. It was *you* who introduced the warranty angle in the first place, by pointing out ACOM's omission of the cap stabilizer. (I think it would have been better to pursue a straight UPS damage claim. UPS doesn't know about the stabilizer, and they shouldn't have dropped the box!)

> We did you a favor - and we were under no obligation to do anything for you.

I agree completely that you owed me *nothing* going in, as I've said before. But I can't agree that you did me any favors by making promises that you couldn't or wouldn't keep.

> In retrospect, I should have refused to get involved in this re-sale for the
> seller and to assist you with making the shipping arrangements.
>
I don't blame you at all for feeling that way. I also regret my involvement. (I'm the one who took the losses, after all.)

> You might not have bought the amplifier, and this discussion would not be
> happening.
>
That is true.

> So, our new policy is: never get involved in the resale of any of our
> equipment or offer to help with making shipping arrangements like we did in
> this case.
>
That is your prerogative. Alternatively, you could assist your customers as before, but avoid making promises that you can't keep. It's your business, and your decision. I respect that 100%.

> Your expectation of getting warranty treatment and support as if you had
> purchased the amplifier new from a dealer is where you went wrong.
>
> If you wanted the luxury of having the privileges of an original owner, you
> should have paid the extra money to purchase a new amplifier yourself - it's
> really that simple.
>
Excuse me Bob, but the reason I had full warranty expectations is because YOU told me that I would have full warranty coverage. Should I apologize for believing that?

> Regarding what UPS would or would not cover - there is no way that UPS would
> pay for a capacitor flopping over sideways inside an amplifier.
>
The whole bank of cap's were folded flat. They are quite light. The leads are quite stiff. A UPS-style impact would be required to produce the necessary g-forces. We had photos of the cap's, before and after the impact.

> If there's no apparent damage to the outside of the carton, they are
> unlikely to cover anything. This is just the fact of dealing with shipping
> insurance coverage.
>
The shipping carton was only moderately damaged--apparently because it landed flat on its end, and not on a corner. The shipping document did not have a check box for "moderate" damage, so the condition was recorded as "crushed." (I have an email on that.) There should have been no problem with the documentation.

> I'm glad your amplifier is working perfectly and has been since we repaired
> it.

Yes the amp has worked fine, as I pointed out in my first post. Thank you again for your functional (not cosmetic) repair.

Except for about $200 lost on extra shipping, about $200 more lost on resale value because of internal scars (my estimate), about two months of lost use, many hours lost corresponding about it, and the disappointment of broken promises, I'm a happy camper.

>
> 73,
>
> Bob W5OV
> Array Solutions
>
>

4502. Re: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-29 01:56:24 UTC
From: paul glassman
Topic: 4460 Message: 4502

Alpha honors second and third and fourth owners as long as it is during the warranty period and transferred. Flex does the same. Yaesu did for me on a quadra I purchased as the second owner, no questions asked. There are companies out there that take good care of their customers.... by the way, Yaesu also upgraded ALL ftdx9000d's worldwide regardless of whether you were the first or 10th owner. They did so free of charge with no need to transfer warranties. They did it for everyone, knowing that it would go a long way toward customer loyalty. It cost me almost $1000 to upgrade my Icom 7800. My reaction? Sell the 7800 and buy a second ftdx9000d. In general, most high end equipment is comparable and the companies aren't selling equipment. They are selling loyalty, customer support and a smile, handshake and a "we will take care of you if you put your trust in us" (Steve Jobs Apple).

I purchased a Steppir Big IR Mark 2. It was 90 days old when I purchased it three years ago. The copper strip failed at the 10 month time line. They knew I was the second owner. They repaired it no charge under warranty. Three years later (last month) the steppir motor failed. They sent me a new one no charge. The good will they generated will pay them back manifold. I push Steppir antennas to everyone I know and tell them about how they treated me as a second owner of their product! Top quality guys.

Paul w8jn

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

From: "eseniors@earthlink.net" <eseniors@...>
To: acom-list@yahoogroups.com
Sent: Friday, October 28, 2011 8:26 PM
Subject: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Forum members: I apologize for using more bandwidth on this.

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Bob,

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Also, please note that I'm trying to put this mess in the past, and I don't want to hold a grudge. I wish you, Array Solutions, and ACOM success.

That said, several of your latest comments require a response. Please see below...

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3. It was *you* who introduced the warranty angle in the first place, by pointing out ACOM's omission of the cap stabilizer. (I think it would have been better to pursue a straight UPS damage claim. UPS doesn't know about the stabilizer, and they shouldn't have dropped the box!)

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> seller and to assist you with making the shipping arrangements.
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I don't blame you at all for feeling that way. I also regret my involvement. (I'm the one who took the losses, after all.)

> You might not have bought the amplifier, and this discussion would not be
> happening.
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That is true.

> So, our new policy is: never get involved in the resale of any of our
> equipment or offer to help with making shipping arrangements like we did in
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That is your prerogative. Alternatively, you could assist your customers as before, but avoid making promises that you can't keep. It's your business, and your decision. I respect that 100%.

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> If you wanted the luxury of having the privileges of an original owner, you
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[Non-text portions of this message have been removed]

4503. RE: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-29 06:29:52 UTC
From: Kees - pa7two
Topic: 4460 Message: 4503

And the stated below is EXACTLY what a customer expects when buying his products. Being the 1st, 2nd or whatever buyer, we are treated as per stated below and is common sense in EU. We had these kinda customer 'treatments' in the past, fortunately by law when it comes to warranty things have changed dramatically positive.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: highschooldiving@yahoo.com
Date: Fri, 28 Oct 2011 18:56:24 -0700
Subject: Re: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

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>

> 73,

>

> Bob W5OV

> Array Solutions

>

>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4504. Re: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-29 18:07:03 UTC
From: W5OV@w5ov.com
Topic: 4460 Message: 4504

Ed and list members, I apologize for extending this discussion any further.

As we all know, there are two sides to every story, and this one is no exception.

I'm not going to comment any further.

73,

Bob W5OV

>
>
> Forum members: I apologize for using more bandwidth on this.
>
> My original point was to give warranty info to the Forum. But I made the
> mistake of using my own case as an example, and now posts about my case
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>> warranty.
>>
> I have no problem with you making a no-warranty policy. ACOM told me
> directly that US dealers determine warranty terms entirely. (That was one
> of the points I was trying to make in my original post.)
>
> However, I must point out some relevant facts:
>
> 1. You personally told me before the transaction that you would accept a
> full warranty transfer to me. (And no, I didn't get it in writing.)
>
> 2. For perspective, ACOM seems to consider it OK to transfer warranties;
> and your counterpart on the East Coast has told me directly that he
> accepts such transfers.
>
> 3. It was *you* who introduced the warranty angle in the first place, by
> pointing out ACOM's omission of the cap stabilizer. (I think it would have
> been better to pursue a straight UPS damage claim. UPS doesn't know about
> the stabilizer, and they shouldn't have dropped the box!)
>
>> We did you a favor - and we were under no obligation to do anything for
>> you.
>
> I agree completely that you owed me *nothing* going in, as I've said
> before. But I can't agree that you did me any favors by making promises
> that you couldn't or wouldn't keep.
>
>> In retrospect, I should have refused to get involved in this re-sale for
>> the
>> seller and to assist you with making the shipping arrangements.
>>
> I don't blame you at all for feeling that way. I also regret my
> involvement. (I'm the one who took the losses, after all.)
>
>> You might not have bought the amplifier, and this discussion would not
>> be
>> happening.
>>
> That is true.
>
>> So, our new policy is: never get involved in the resale of any of our
>> equipment or offer to help with making shipping arrangements like we did
>> in
>> this case.
>>
> That is your prerogative. Alternatively, you could assist your customers
> as before, but avoid making promises that you can't keep. It's your

> business, and your decision. I respect that 100%.
>
>> Your expectation of getting warranty treatment and support as if you had
>> purchased the amplifier new from a dealer is where you went wrong.
>>
>> If you wanted the luxury of having the privileges of an original owner,
>> you
>> should have paid the extra money to purchase a new amplifier yourself -
>> it's
>> really that simple.
>>
> Excuse me Bob, but the reason I had full warranty expectations is because
> YOU told me that I would have full warranty coverage. Should I apologize
> for believing that?
>
>> Regarding what UPS would or would not cover - there is no way that UPS
>> would
>> pay for a capacitor flopping over sideways inside an amplifier.
>>
> The whole bank of cap's were folded flat. They are quite light. The leads
> are quite stiff. A UPS-style impact would be required to produce the
> necessary g-forces. We had photos of the cap's, before and after the
> impact.
>
>> If there's no apparent damage to the outside of the carton, they are
>> unlikely to cover anything. This is just the fact of dealing with
>> shipping
>> insurance coverage.
>>
> The shipping carton was only moderately damaged--apparently because it
> landed flat on its end, and not on a corner. The shipping document did not
> have a check box for "moderate" damage, so the condition was recorded as
> "crushed." (I have an email on that.) There should have been no problem
> with the documentation.
>
>> I'm glad your amplifier is working perfectly and has been since we
>> repaired
>> it.
>
> Yes the amp has worked fine, as I pointed out in my first post. Thank you
> again for your functional (not cosmetic) repair.
>
> Except for about $200 lost on extra shipping, about $200 more lost on
> resale value because of internal scars (my estimate), about two months of
> lost use, many hours lost corresponding about it, and the disappointment
> of broken promises, I'm a happy camper.
>
>>
>> 73,
>>

>> Bob W5OV
>> Array Solutions
>>
>>
>
>
>
> ---
>
> Yahoo! Groups Links
>
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>
>

4505. RE: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-29 20:24:02 UTC
From: Máximo EA1DDO_HK1H
Topic: 4460 Message: 4505

Hi all,

>> A used amplifier - even one that is only a month old - is not under a

>> warranty of any kind. That is a fact - not a semantic interpretation.

>>

>> So there is no mystery - if you're not the original purchaser, there is

>> no

>> warranty.

Not 100% sure but I think that here in Europe is different.
Warranty is for the product under original buyer or second buyer or whatever.

73, Maximo - EA1DDO

[Non-text portions of this message have been removed]

4506. RE: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-29 21:29:12 UTC
From: Kees - pa7two
Topic: 4460 Message: 4506

Correct. And that is what a customer wants, isn't it? Common sense in EU!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: ea1ddo@...
Date: Sat, 29 Oct 2011 20:24:02 +0000
Subject: RE: [acom-list] Re: ACOM Warranties - Don't Read, if you're bored with the topic!

Hi all,

>> A used amplifier - even one that is only a month old - is not under a

>> warranty of any kind. That is a fact - not a semantic interpretation.

>>

>> So there is no mystery - if you're not the original purchaser, there is

>> no

>> warranty.

Not 100% sure but I think that here in Europe is different.

Warranty is for the product under original buyer or second buyer or whatever.

73, Maximo - EA1DDO

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4507. Re: [acom-list] EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 14:32:35 UTC
From: Hans Remeeus
Topic: 4443 Message: 4507

Hello Bob,

The temperature regime indeed is a non-issue. After the EBS-mod I did
not notice any rise in the Acom 2000S's temperature, even not during 24
hours contesting.
My modulation however was significantly improved after the mod.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-10-2011 16:05, Bob Naumann schreef:
> I apologize if I was not clear enough.
>
> Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of this modification.
>
> To be more practical about it: How many reports of bad audio have you received from this with your amplifier?
>
> I bet that just like me and 99.9% of the other 2000A owners out there - you have received no reports of bad audio. This is Acom's point.
>
> Again, Acom said: "It is a compromise between the temperature regime and quality, such like running class AB and A for instance. Not a drawback".
>
> Bottom line for me, and for Acom, this is a non-issue.
>
> 73,
>
> Bob W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:50 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>
> Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is
> unwilling to investigate".
>
> If PA1HR's before recording is truly representative of the 2000A units in
> the field, why wouldn't there be more investigation? I think we at least

> need to know if we are all sounding like this or not. I think we need more
> OTA tests/recordings, perhaps with some guidance from Hans, Marty, and
> others on how to record the phenomenon (or lack thereof).
>
> I think it's quite possible that the average 2000A displays much lower level
> of artifacts than in PA1HR's recording, but shouldn't we investigate and
> find out?
>
> 73, Barry N1EU
>
>
>
> On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann<W5OV@...> wrote:
>
>> **
>>
>>
>> Barry,
>>
>> Acom is not "unwilling" to investigate. This is a mis-characterization.
>>
>> To the contrary, their statement is as I reported after fully evaluating
>> the potential impact of this modification.
>>
>> To them, this is a complete non-issue and the compromise of the bias
>> switching is a prudent design trade-off of reducing heat.
>>
>> Some people may disagree and that is their right to do so. However,
>> characterizing this as a defect is not correct.
>>
>> It is a design decision which weighs out the alternatives, and reduced
>> heating takes priority here.
>>
>> Acom's perspective is clear however, and they do not recommend that anyone
>> make this modification to their amplifiers.
>>
>> Individual amplifier owners can of course make their own decisions.
>>
>> 73,
>>
>> Bob W5OV
>>
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf Of Barry N1EU
>> Sent: Wednesday, October 19, 2011 8:21 AM
>> To: acom-list@yahoogroups.com
>> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>>

>> After listening to PA1HR's before and after recordings in the Files section
>> (
>>
>> http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
>>),
>> I really think the issue bears further investigation - if Acom is unwilling
>> to investigate the full OTA ramifications of their bias compromise than I
>> guess it's on us Acom owners to do so and produce more recordings. It's
>> premature to label this a "hi-fi" issue and dismiss it. I would hate to
>> think that my tx audio is subject to the amplitude perturbations that I
>> hear
>> in PA1HR's before recording.
>>
>> 73, Barry N1EU
>>
>> On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann<W5OV@...> wrote:
>>
>>> **
>>>
>>> As many of you know, Array Solutions is an authorized Acom dealer here in
>>> the USA.
>>>
>>> Recently, I have received telephone calls from potential customers asking
>>> if
>>> this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
>>> 2000A.
>>>
>>> As this modification has gotten a lot of publicity, I wanted to get the
>>> facts to make some points very clear so I posed some specific questions
>> to
>>> Acom in Bulgaria:
>>>
>>> **
>>>
>>> Q: Am I correct that Acom DOES NOT recommend this procedure?
>>>
>>> Acom: Yes
>>>
>>> Q: If someone performs this modification do they VOID THEIR WARRANTY?
>>>
>>> Acom: Yes
>>>
>>> Q: I understand that these "audiophile" and "Hi-Fi" audio types think
>> this
>>> makes a difference in their audio quality, but does it really do what
>> they
>>> claim?
>>> And, is what they claim a problem with the original design of the 2000A?
>>>
>>> Acom: It is a compromise between the temperature regime and quality, such

>>> like running class AB and A for instance. Not a drawback.
>>>
>>> **
>>>
>>> So, please be aware that Acom does not recommend this modification, and
>>> making this modification to your amp will void the warranty.
>>>
>>> Acom's position is that the modification is not necessary and the
>>> compromise
>>> resulting in reduced heating is a good design choice for their amplifier.
>>> If
>>> you are a "hi-fi" type of operator and this "crunch" is an issue for you,
>>> then by all means go ahead and modify your amp - but keep in mind that
>> you
>>> will void the warranty on your amplifier by doing so.
>>>
>>> 73,
>>>
>>> Bob W5OV
>>> Array Solutions
>>>
>>> -----Original Message-----
>>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>>> Behalf
>>> Of Hans Remeeus
>>> Sent: Wednesday, October 19, 2011 12:43 AM
>>> To: acom-list@yahoogroups.com
>>> Subject: Re: [acom-list] EBS electronic bias user update
>>>
>>> Hello Ron,
>>>
>>> As far as I know all the Acom 2000A linear amplifiers standard have the
>>> EBS enabled and therefore suffer the EBS-crunch during voice
>>> transmissions. You can easily see it on the display of the RCU; when
>>> during voice transmissions you notice a variation of the BIAS between
>>> -124V, -75V and -52V, then you have the EBS enabled. After the
>>> EBS-modification the BIAS is fixed at -52V during transmit and -124V in
>>> standby.
>>>
>>> The Voltages of course may vary a little bit, e.g. -122, -123 or -124V,
>>> depending on your mains Voltage.
>>>
>>> 73,
>>> Hans Remeeus (PA1HR)
>>> http://www.remeeus.eu
>>> http://www.hansremeeus.nl
>>> Communication is about people, the rest is technology.
>>>
>>> Op 18-10-2011 18:51, Ron Castro schreef:
>>>> I have been reading about the EBS modification. Do newer ACOM 2000A's

>>> need
>>>> the modification or has the factory changed the circuit so it is not
>>> needed?
>>>> Ron Castro
>>>> N6IE
>>>> www.N6IE.com
>>>> Member:
>>>> REDXA NCCC
>>>> NCDXF ARRL
>>>>
>>>>
>>>> -----Original Message-----
>>>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>>> Behalf
>>>> Of Hans Remeeus
>>>> Sent: Tuesday, October 18, 2011 8:30 AM
>>>> To: acom-list@yahoogroups.com
>>>> Subject: Re: [acom-list] EBS electronic bias user update
>>>>
>>>>
>>>> I fully agree with Marty his opinion about the excellent EBS
>>> modification.
>>>> After daily and sometimes intensive use of my 7 years old Acom 2000A
>> the
>>>> reports I got are excellent, with noticable improvement of my
>> transmitted
>>>> audio compared to before the modification. No problem with extended
>> heat
>>> or
>>>> other problems.
>>>>
>>>> Strongly recommended!
>>>>
>>>>
>>>> 73,
>>>> Hans Remeeus (PA1HR)
>>>> http://www.remeeus.eu
>>>> http://www.hansremeeus.nl
>>>> Communication is about people, the rest is technology.
>>>>
>>>>
>>>>
>>>> Op 18-10-2011 4:53, kamarty456 schreef:
>>>>> I did the EBS modification back in February of 2011.
>>>>> You can do a search to read all the discussions etc.
>>>>> I believe message # 3938 is a good starting point.
>>>>> Also look in the file section for specific instructions
>>>>>
>>>>> The purpose of this post is to simply let you all know the 2000A is
>>>>> working flawlessly and has not hick-cupped or skipped a beat!

>>>>>
>>>>> For those of you still deciding about jumping and and doing the EBS
>>>>> modification, I say "go for it"
>>>>>
>>>>> Not to be overly critical, I have heard a number of ACOM 2000A
>>>>> amplifiers of various vintages and in the SSB mode I have heard the
>>>>> bias crunch on certain words and syllables. Even those used with
>>> strident
>>>> narrow band SSB audio exhibited the crunch.
>>>>> The crunch sounds like someone crinkling up paper or RFI
>>>>>
>>>>> My amp is around 11 years old [how time flies!!!]
>>>>>
>>>>> Especially for those of you using SSB fidelity [ESSB/essb] this
>>>>> modification is perfect!
>>>>>
>>>>> regards,
>>>>>
>>>>> Martin KA7GKN
>>>>>
>>>>>
>>>>>
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>>>> [Non-text portions of this message have been removed]
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4508. Re: [acom-list] Acom 2000A and 2000SW/2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-19 18:53:15 UTC
From: Jim Idelson
Topic: 4452 Message: 4508

Hi George,

Long time! Hope you are well.

I just want to let you know about an experience I had with my Acom antenna switch. For some time I experienced erratic behavior when changing switch positions. To make a long story short, it turned out that some of the little blue bypass caps sprinkled all over the PCB inside the switch were failing. Replacing those bad caps made everything work perfectly again.

73,

Jim K1IR

On 10/19/2011 12:51 PM, georgek5kg@... wrote:
> I use my Acom 2000A with the Acom 2000SW/2000S automatic antenna switch,
> and have a problem. The problem is that occasionally when changing from one
> band to another, the switch will select the wrong antenna.
>
> Let me paint the picture:
> Tribander for 10-15-20 on position 1
> 40m antenna on position 2
> 80m antenna on position 3
>
> The amp has been "trained" to recognize these antennas on these bands. I
> can QSY from band to band, and the switch will select the correct
> antenna.....most of the time! Occasionally, however, when changing bands, the
> switch will switch to an incorrect antenna. I have been investigating
> this problem for some time, and I cannot find any pattern of switching from
> one band to another that causes the incorrect switching.
>
> When I change bands and tune the amp, I do it by changing the band on the
> transceiver, and hit a dit on the key, or an "uh" in the mic. If the
> correct antennas is selected by the switch, the amp tunes just fine. If the
> incorrect antenna is selected by the switch, the amp will fault off due to
> high vswr on the incorrect antenna (as is expected).
>
> Here are more details. The transceiver is a K3. All antennas are
> resonant on their bands and do not have vswr problems. I put ferrites on the DB9
> control cable from the 2000S to the amp. I do not have a computer
> connected to the 2000S. The shack is well grounded an free of stray RF.
>
> I am looking for input on this problem, especially from anyone who is using
> a 2000A with the 2000SW/S.
>

> Thanks, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>

--
73,

Jim K1IR

4509. Re: AW: [acom-list] Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-10-21 10:36:21 UTC
From: Steve Tripp (K1IIG)
Topic: 4443 Message: 4509

HI MARK,

I too have been watching the EBS comments and wonder if you have a list of what production lot numbers are affected? I purchased my used Acom in 2001 from Krassy and aside from one tube going bad, no other issues. Also, is Barry's comment below conclusive to determine if I have the problem?

Is it possible to "predict" whether there are EBS artifacts on your tx audio
by monitoring the BIAS voltage in the MEASURE menu as you transmit? For
example, if you see the BIAS level often transitioning from -87V to -66V
while speaking, then it probably does (does not?) mean your tx signals has
audible artifacts?

Barry N1EU

Thanks and 73's

Steve

K1IIG

Gentlemen

It's very simple, the EBS-Problem depends on the production lot of the amps, I have several of them out of various production lots, running in different installations on a 24/7 base, one of them had that modulation problem, others give a crystal clear modulation and don't need any mods. Did the mod on one of my installations, modulation is excellent now, temperature level is raising a little bit faster, but no problem with the aux fan, never had heat faults.

The acoms are great amps, a real masterpiece of rf-engineering (eg. have a look for the outstanding emc-design-details), except the crappy firmware which makes it difficult to write any reliable control application for the amp.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von kamarty456
Gesendet: Donnerstag, 20. Oktober 2011 19:53
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: EBS electronic bias user update - Acom comments

I apologize for stirring up a hornet's nest!

I am leaving all the replies below this as reference etc.

NOW....everyone take a breath and relax!

EBS electronic bias system has been a design characteristic in
tube amplifiers for many many years! From Ameritron to Alpha
etc.

The design is to reduce tube on time between words etc...
The rational is to have the tubes last longer, and reduce
dissipated heat....

Now ALL amplifiers using EBS demonstrate some sort of anomaly.
Most hams who simply contest or DX with the driver by QSO:
"yer 5/9 QRZ" or "yer 5/9 -257 good luck" may not observe the EBS
anomaly.

Those of you with hearing challenges may not hear the EBS anomaly.
Those of you listening very narrow 350-2400hz may not hear the
anomaly.

Many folks using tube amplifiers with an EBS circuit are unaware of
the anomaly unless told since this happens after the radio and you
will not hear it in your radio monitor.

Those of you with dirty signals...slight to considerable RFI on
your signal, AC him, room noises etc. may not be aware of the
EBS anomaly.

Many Ham's have no clue what to listen for, so your buddies in the daily rag-chew will tell you "ya sound fine like you always do"

Now.....the reality of the EBS design may cause that crunch anomaly
based upon a variety of operator styles. How you speak, how you
pronounce words, pauses between words, how you address the microphone, how much of your breathing/breath noise you
introduce etc.

EBS crunch is REAL and can be distracting!!!!!!!

The solution is very simple....if you could care less.....
IGNORE IT!

I take pride in how I represent myself on air...I speak well,
I DO NOT use "and-um, you-know, bad English, bad grammar"
and all the other poor speech styles.

To me having a pure non polluting SSB audio signal is important and I'm willing to sacrifice a few hours of tube life or additional heat for a quiet clean amplified signal.

Ameritron and Alpha have information [if asked] regarding adjusting their EBS system. For example I believe the Alpha 8410 EBS can be
adjusted via your computer interface.

The ACOM 2000A has no EBS adjustment and that's perfectly fine and not worth attacking ACOM or their design team! They also decided not
to make it an issue in their design and that's fine too!

WE have a number of options here:

1. leave the amplifier EBS system alone
2. disable the EBS system
3. install a switch to turn the EBS on/off as desired
4. calculate the time constant and adjust the resistor or
capacitor value to speed up or slow down the EBS switching time
5. attack those that do modify the EBS circuit

So for all you "design engineer experts bantering on this topic" please stop bashing ACOM!!!

Their amplifiers are beautiful machines! Stop bashing those
of us that prefer NOT to use EBS! It's our choice.

If you are so head strong regarding this EBS design or topic go send a resume to ACOM, ALPHA, AMERITON, etc and use your talent to help them redesign their amplifier EBS system....

The rest of you...go get a cup a coffee and enjoy the amplifier
and get on the air instead of hanging around all the reflectors ha!

Martin KA7GKN

--- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>, "Bob Naumann" <W5OV@...> wrote:
>
> I apologize if I was not clear enough.
>
> Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of this modification.
>
> To be more practical about it: How many reports of bad audio have you received from this with your amplifier?
>
> I bet that just like me and 99.9% of the other 2000A owners out there - you have received no reports of bad audio. This is Acom's point.
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> 73,
>
> Bob W5OV
>
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> Sent: Wednesday, October 19, 2011 8:50 AM
> To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
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>

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>
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> the field, why wouldn't there be more investigation? I think we at least
> need to know if we are all sounding like this or not. I think we need more
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>
> I think it's quite possible that the average 2000A displays much lower level
> of artifacts than in PA1HR's recording, but shouldn't we investigate and
> find out?
>
> 73, Barry N1EU
>
>
>
> On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann <W5OV@...> wrote:
>
> > **
> > >
> > >
> > > Barry,
> > >
> > > Acom is not "unwilling" to investigate. This is a mis-characterization.
> > >
> > > To the contrary, their statement is as I reported after fully evaluating
> > > the potential impact of this modification.
> > >
> > > To them, this is a complete non-issue and the compromise of the bias
> > > switching is a prudent design trade-off of reducing heat.
> > >
> > > Some people may disagree and that is their right to do so. However,
> > > characterizing this as a defect is not correct.
> > >
> > > It is a design decision which weighs out the alternatives, and reduced
> > > heating takes priority here.
> > >
> > > Acom's perspective is clear however, and they do not recommend that anyone
> > > make this modification to their amplifiers.
> > >
> > > Individual amplifier owners can of course make their own decisions.
> > >
> > > 73,
> > >
> > > Bob W5OV
> > >
> > >
> > > -----Original Message-----
> > > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>

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> > Behalf Of Barry N1EU
> > Sent: Wednesday, October 19, 2011 8:21 AM
> > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
> >
> > After listening to PA1HR's before and after recordings in the Files section
> > (
> >
> > http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
> >),
> > I really think the issue bears further investigation - if Acom is unwilling
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> > guess it's on us Acom owners to do so and produce more recordings. It's
> > premature to label this a "hi-fi" issue and dismiss it. I would hate to
> > think that my tx audio is subject to the amplitude perturbations that I
> > hear
> > in PA1HR's before recording.
> >
> > 73, Barry N1EU
> >
> > On Wed, Oct 19, 2011 at 8:44 AM, Bob Naumann <W5OV@...> wrote:
> >
> > > **
> >
> > >
> > >
> > > As many of you know, Array Solutions is an authorized Acom dealer here in
> > > the USA.
> > >
> > > Recently, I have received telephone calls from potential customers asking
> > > if
> > > this "crunch" noted by "hi-fi" operators is a design flaw with the Acom
> > > 2000A.
> > >
> > > As this modification has gotten a lot of publicity, I wanted to get the
> > > facts to make some points very clear so I posed some specific questions
> > to
> > > Acom in Bulgaria:
> > >
> > > **********
> > >
> > > Q: Am I correct that Acom DOES NOT recommend this procedure?
> > >
> > > Acom: Yes
> > >
> > > Q: If someone performs this modification do they VOID THEIR WARRANTY?
> > >
> > > Acom: Yes
> > >
> > > Q: I understand that these "audiophile" and "Hi-Fi" audio types think

> > this
> > > makes a difference in their audio quality, but does it really do what
> > they
> > > claim?
> > > And, is what they claim a problem with the original design of the 2000A?
> > >
> > > Acom: It is a compromise between the temperature regime and quality, such
> > > like running class AB and A for instance. Not a drawback.
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> > >
> > > So, please be aware that Acom does not recommend this modification, and
> > > making this modification to your amp will void the warranty.
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> > > Acom's position is that the modification is not necessary and the
> > > compromise
> > > resulting in reduced heating is a good design choice for their amplifier.
> > > If
> > > you are a "hi-fi" type of operator and this "crunch" is an issue for you,
> > > then by all means go ahead and modify your amp - but keep in mind that
> > you
> > > will void the warranty on your amplifier by doing so.
> > >
> > > 73,
> > >
> > > Bob W5OV
> > > Array Solutions
> > >
> > > -----Original Message-----
> > > From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] On
> > > Behalf
> > > Of Hans Remeeus
> > > Sent: Wednesday, October 19, 2011 12:43 AM
> > > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > > Subject: Re: [acom-list] EBS electronic bias user update
> > >
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> > >
> > > As far as I know all the Acom 2000A linear amplifiers standard have the
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> > > transmissions. You can easily see it on the display of the RCU; when
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> > > EBS-modification the BIAS is fixed at -52V during transmit and -124V in
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> > > Hans Remeeus (PA1HR)
> > > http://www.remeeus.eu
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> > > Op 18-10-2011 18:51, Ron Castro schreef:
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> > > > the modification or has the factory changed the circuit so it is not
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> > > > Ron Castro
> > > > N6IE
> > > > www.N6IE.com
> > > > Member:
> > > > REDXA NCCC
> > > > NCDXF ARRL
> > > >
> > > >
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> > > > Subject: Re: [acom-list] EBS electronic bias user update
> > > >
> > > >
> > > > I fully agree with Marty his opinion about the excellent EBS
> > > modification.
> > > > After daily and sometimes intensive use of my 7 years old Acom 2000A
> > the
> > > > reports I got are excellent, with noticable improvement of my
> > transmitted
> > > > audio compared to before the modification. No problem with extended
> > heat
> > > or
> > > > other problems.
> > > >
> > > > Strongly recommended!
> > > >
> > > >
> > > > 73,
> > > > Hans Remeeus (PA1HR)
> > > > http://www.remeeus.eu
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> > > > Communication is about people, the rest is technology.
> > > >

> > > >
> > > >
> > > > Op 18-10-2011 4:53, kamarty456 schreef:
> > > >> I did the EBS modification back in February of 2011.
> > > >> You can do a search to read all the discussions etc.
> > > >> I believe message # 3938 is a good starting point.
> > > >> Also look in the file section for specific instructions
> > > >>
> > > >> The purpose of this post is to simply let you all know the 2000A is
> > > >> working flawlessly and has not hick-cupped or skipped a beat!
> > > >>
> > > >> For those of you still deciding about jumping and and doing the EBS
> > > >> modification, I say "go for it"
> > > >>
> > > >> Not to be overly critical, I have heard a number of ACOM 2000A
> > > >> amplifiers of various vintages and in the SSB mode I have heard the
> > > >> bias crunch on certain words and syllables. Even those used with
> > > strident
> > > > narrow band SSB audio exhibited the crunch.
> > > >> The crunch sounds like someone crinkling up paper or RFI
> > > >>
> > > >> My amp is around 11 years old [how time flies!!!]
> > > >>
> > > >> Especially for those of you using SSB fidelity [ESSB/essb] this
> > > >> modification is perfect!
> > > >>
> > > >> regards,
> > > >>
> > > >> Martin KA7GKN
> > > >>
> > > >>
> > > >>
> > > >> ------------------------------------
> > > >>
> > > >> Yahoo! Groups Links
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4510. ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 05:38:46 UTC
From: Two Rivers Contest Club
Topic: 4510 Message: 4510

Hello!

I purchased in December last year a new ACOM 1010 from Array Solutions. The amp trips into fault after a brief period of use preceded by the G2 LED flashing. Sometimes, I don't even have to transmit in order for the G2 LED to blink. Closing the PTT can cause it sometimes. Here is the history:

After nearly six months, I finally got the amp on the air during WPX CW in May. I was using a generator, which frankly wasn't all that well regulated. 250 VAC without a load but checked 230-240 @ 55-60 Hz under load. It had a nominal 240 VAC output. (I had the amp wire for 240.) Over time, The G2 light would come on. I checked tuning, which was fine. The drive was never any more than 60 watts. I even dropped the drive to 30 watts, and it did the same. G2 would eventually flash for several seconds even in between transmit cycles, as if it was temperature related. I selected maintenance mode. G1 shows no LED reflections (no current?), G2 and Ip were within normal limits. Sometimes, not always, if I switched to standby mode, after the G2 light flashed (but had stopped), all the LEDs would light up and flash. Following the instructions, I naturally switched off the amp. Powered again, and it seemed to be fine, but after some use, the same thing would occur.

I tried to use it again for Field Day in June with the same results. My assumption was, and seconded by BobN at Array Solutions, was that the unstable generator power could be associated. I did not use the amp again until CQWW SSB this past weekend, I finally got good commercial power @ 240 VAC and 60 Hz, and fired up the ACOM 1010 for the first time since Field Day. No more generators. The amp has lost its mind. Wondering if there is something I can troubleshoot further, or if I should just ship it back to Array Solutions for repair.

Sequence as follows:

Tuned up on 15m with 20 watts input just fine, and we settled at 45 watts drive. Within minutes of a few test calls, the G2 LED began flashing again, and it lingered quite a while after I quit transmitting. Checked tuning, no problem. A few more calls, and it tripped into fault mode. Turned it off and let it sit for about 20 minutes before trying again. Tuned right up and worked flawlessly in S&P mode (mostly, with a lot of idle time) on 80-10m for the next 18-20 hours. Finally, the G2 LED began flashing again during a solid run on 15m, and the amp tripped into fault.

This happens on all bands and antennas. Antennas are all fed with RG-213 and VSWR < 2:1 (< 1.5:1 typical) on all bands.

I notice at times the indicated power increases rather dramatically at times with a fixed input. For instance, from a cold start, on 20m I tune

it up OK and with 30W drive it puts out ~400-450W. After a 5 minutes of warm up and a few CQs the LEDs indicate 600W peak, and around this time the G2 LED will begin flashing.

I put it into diagnostic mode when it did this:

G1 illuminated - no green LEDs deflected.
G2 illuminated - 10 LEDs deflect when idle. When I transmit, another green LED comes on, then dims and goes out after I cease to TX.
IP illuminated - 9 green LEDs illuminate on transmit.

The G2 flashes even when I'm not transmitting. The "hang time" for G2 flash will get longer and longer. If I press the OPER button while it's flashing, all the FWD and REF LEDs flash, the G2 LED stays solid, and F LED is off.

The G2 LED will flash now after 5-10 minutes warm-up without a transmitter even being connected.

Finally, I notice the isolation between A1 and A2 inputs is rather poor. When the unused (and unterminated) port is selected, I can still hear signals on the transceiver, although they are attenuated quite a bit (S9+10 dB reduces to S4-S5). Is this normal?
I will ship it back to A-S on Friday if I don't get some answers by then.
--
Larry L. Ledlow, Jr. KL7/N1TX
Two Rivers Contest Club KL2R

[Non-text portions of this message have been removed]

4511. AW: AW: [acom-list] Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 08:44:40 UTC
From: Markus Schleutermann
Topic: 4443 Message: 4511

Hi Steve

The ACOM with the BIAS-problem was bought in 2009, on older versions I never had the problem. To evaluate the problem just listen to your audio, when it sounds scratchy after speech breaks when regaining rf level for a short time then you have the problem. I think the measurments are to slow to determine the problem.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von Steve Tripp (K1IIG)
Gesendet: Freitag, 21. Oktober 2011 12:36
An: acom-list@yahoogroups.com
Betreff: Re: AW: [acom-list] Re: EBS electronic bias user update - Acom comments

HI MARK,

I too have been watching the EBS comments and wonder if you have a list of what production lot numbers are affected? I purchased my used Acom in 2001 from Krassy and aside from one tube going bad, no other issues. Also, is Barry's comment below conclusive to determine if I have the problem?

Is it possible to "predict" whether there are EBS artifacts on your tx audio
by monitoring the BIAS voltage in the MEASURE menu as you transmit? For
example, if you see the BIAS level often transitioning from -87V to -66V
while speaking, then it probably does (does not?) mean your tx signals has
audible artifacts?

Barry N1EU

Thanks and 73's

Steve

K1IIG

Gentlemen

It's very simple, the EBS-Problem depends on the production lot of the amps, I have several of them out of various production lots, running in different installations on a 24/7 base, one of them had that modulation problem, others give a crystal clear modulation and don't need any mods. Did the mod on one of my installations, modulation is excellent now, temperature level is raising a little bit faster, but no problem with the aux fan, never had heat faults.

The acoms are great amps, a real masterpiece of rf-engineering (eg. have a look for the outstanding emc-design-details), except the crappy firmware which makes it difficult to

write any reliable control application for the amp.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] Im Auftrag von kamarty456
Gesendet: Donnerstag, 20. Oktober 2011 19:53
An: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
Betreff: [acom-list] Re: EBS electronic bias user update - Acom comments

I apologize for stirring up a hornet's nest!

I am leaving all the replies below this as reference etc.

NOW....everyone take a breath and relax!

EBS electronic bias system has been a design characteristic in
tube amplifiers for many many years! From Ameritron to Alpha
etc.

The design is to reduce tube on time between words etc...
The rational is to have the tubes last longer, and reduce
dissipated heat....

Now ALL amplifiers using EBS demonstrate some sort of anomaly.
Most hams who simply contest or DX with the driver by QSO:
"yer 5/9 QRZ" or "yer 5/9 -257 good luck" may not observe the EBS
anomaly.

Those of you with hearing challenges may not hear the EBS anomaly.
Those of you listening very narrow 350-2400hz may not hear the
anomaly.

Many folks using tube amplifiers with an EBS circuit are unaware of
the anomaly unless told since this happens after the radio and you
will not hear it in your radio monitor.

Those of you with dirty signals...slight to considerable RFI on
your signal, AC him, room noises etc. may not be aware of the
EBS anomaly.

Many Ham's have no clue what to listen for, so your buddies in the daily rag-chew will tell you "ya sound fine like you always do"

Now.....the reality of the EBS design may cause that crunch anomaly
based upon a variety of operator styles. How you speak, how you
pronounce words, pauses between words, how you address the microphone, how much of your breathing/breath noise you
introduce etc.

EBS crunch is REAL and can be distracting!!!!!!

The solution is very simple....if you could care less.....
IGNORE IT!

I take pride in how I represent myself on air...I speak well,
I DO NOT use "and-um, you-know, bad English, bad grammar"
and all the other poor speech styles.

To me having a pure non polluting SSB audio signal is important and I'm willing to
sacrifice a few hours of tube life or additional heat for a quiet clean amplified signal.

Ameritron and Alpha have information [if asked] regarding adjusting their EBS system. For
example I believe the Alpha 8410 EBS can be
adjusted via your computer interface.

The ACOM 2000A has no EBS adjustment and that's perfectly fine and not worth attacking ACOM
or their design team! They also decided not
to make it an issue in their design and that's fine too!

WE have a number of options here:

1. leave the amplifier EBS system alone
2. disable the EBS system
3. install a switch to turn the EBS on/off as desired
4. calculate the time constant and adjust the resistor or
capacitor value to speed up or slow down the EBS switching time
5. attack those that do modify the EBS circuit

So for all you "design engineer experts bantering on this topic" please stop bashing
ACOM!!!

Their amplifiers are beautiful machines! Stop bashing those
of us that prefer NOT to use EBS! It's our choice.

If you are so head strong regarding this EBS design or topic go send a resume to ACOM,
ALPHA, AMERITON, etc and use your talent to help them redesign their amplifier EBS
system....

The rest of you...go get a cup a coffee and enjoy the amplifier
and get on the air instead of hanging around all the reflectors ha!

Martin KA7GKN

--- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com><mailto:acom-list%40ya
hoogroups.com>, "Bob Naumann" <W5OV@...> wrote:
>
> I apologize if I was not clear enough.
>
> Again, their statement is as I reported *AFTER FULLY EVALUATING* the potential impact of
this modification.
>
> To be more practical about it: How many reports of bad audio have you received from this
with your amplifier?
>
> I bet that just like me and 99.9% of the other 2000A owners out there - you have received
no reports of bad audio. This is Acom's point.
>
> Again, Acom said: "It is a compromise between the temperature regime and quality, such

like running class AB and A for instance. Not a drawback".
>
> Bottom line for me, and for Acom, this is a non-issue.
>
> 73,
>
> Bob W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com><mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com><mailto:acom-list%40yahoogroups.com>] On Behalf Of Barry N1EU
> Sent: Wednesday, October 19, 2011 8:50 AM
> To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com><mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
>
> Bob, what I said was "If Acom is unwilling to investigate" NOT "Acom is
> unwilling to investigate".
>
> If PA1HR's before recording is truly representative of the 2000A units in
> the field, why wouldn't there be more investigation? I think we at least
> need to know if we are all sounding like this or not. I think we need more
> OTA tests/recordings, perhaps with some guidance from Hans, Marty, and
> others on how to record the phenomenon (or lack thereof).
>
> I think it's quite possible that the average 2000A displays much lower level
> of artifacts than in PA1HR's recording, but shouldn't we investigate and
> find out?
>
> 73, Barry N1EU
>
>
>
> On Wed, Oct 19, 2011 at 9:37 AM, Bob Naumann <W5OV@...> wrote:
>
> > **
> > >
> > >
> > > Barry,
> > >
> > > Acom is not "unwilling" to investigate. This is a mis-characterization.
> > >
> > > To the contrary, their statement is as I reported after fully evaluating
> > > the potential impact of this modification.
> > >
> > > To them, this is a complete non-issue and the compromise of the bias
> > > switching is a prudent design trade-off of reducing heat.
> > >
> > > Some people may disagree and that is their right to do so. However,
> > > characterizing this as a defect is not correct.

> >
> > It is a design decision which weighs out the alternatives, and reduced
> > heating takes priority here.
> >
> > Acom's perspective is clear however, and they do not recommend that anyone
> > make this modification to their amplifiers.
> >
> > Individual amplifier owners can of course make their own decisions.
> >
> > 73,
> >
> > Bob W5OV
> >
> >
> > -----Original Message-----
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ilto:acom-list%40yahoogroups.com>] On
> > Behalf Of Barry N1EU
> > Sent: Wednesday, October 19, 2011 8:21 AM
> > To: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com><mailto:acom-list%40y
ahoogroups.com>
> > Subject: Re: [acom-list] EBS electronic bias user update - Acom comments
> >
> > After listening to PA1HR's before and after recordings in the Files section
> > (
> >
> > http://groups.yahoo.com/group/acom-list/files/EBS%20and%20Bias%20crunch%20mod/
> >),
> > I really think the issue bears further investigation - if Acom is unwilling
> > to investigate the full OTA ramifications of their bias compromise than I
> > guess it's on us Acom owners to do so and produce more recordings. It's
> > premature to label this a "hi-fi" issue and dismiss it. I would hate to
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> > > Acom: Yes
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> > > > Ron Castro
> > > > N6IE
> > > > www.N6IE.com
> > > > Member:
> > > > REDXA NCCC
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> > > >
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> > > >
> > > >
> > > > I fully agree with Marty his opinion about the excellent EBS
> > > modification.
> > > > After daily and sometimes intensive use of my 7 years old Acom 2000A
> > the
> > > > reports I got are excellent, with noticable improvement of my
> > transmitted
> > > > audio compared to before the modification. No problem with extended
> > heat
> > > or
> > > > other problems.
> > > >
> > > > Strongly recommended!
> > > >
> > > >
> > > > 73,
> > > > Hans Remeeus (PA1HR)
> > > > http://www.remeeus.eu
> > > > http://www.hansremeeus.nl
> > > > Communication is about people, the rest is technology.
> > > >
> > > >
> > > >
> > > > Op 18-10-2011 4:53, kamarty456 schreef:
> > > >> I did the EBS modification back in February of 2011.
> > > >> You can do a search to read all the discussions etc.
> > > >> I believe message # 3938 is a good starting point.
> > > >> Also look in the file section for specific instructions
> > > >>
> > > >> The purpose of this post is to simply let you all know the 2000A is
> > > >> working flawlessly and has not hick-cupped or skipped a beat!
> > > >>
> > > >> For those of you still deciding about jumping and and doing the EBS
> > > >> modification, I say "go for it"
> > > >>
> > > >> Not to be overly critical, I have heard a number of ACOM 2000A
> > > >> amplifiers of various vintages and in the SSB mode I have heard the
> > > >> bias crunch on certain words and syllables. Even those used with
> > > strident
> > > > narrow band SSB audio exhibited the crunch.
> > > >> The crunch sounds like someone crinkling up paper or RFI
> > > >>
> > > >> My amp is around 11 years old [how time flies!!!]
> > > >>
> > > >> Especially for those of you using SSB fidelity [ESSB/essb] this
> > > >> modification is perfect!
> > > >>
> > > >> regards,
> > > >>

> > > >> Martin KA7GKN
> > > >>
> > > >>
> > > >>
> > > >> ------------------------------------
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> > > >> Yahoo! Groups Links
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> > > > [Non-text portions of this message have been removed]
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> > > > Yahoo! Groups Links
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4512. Re: AW: AW: [acom-list] Re: EBS electronic bias user update - Acom comments

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 11:20:42 UTC
From: Hans Remeeus
Topic: 4443 Message: 4512

My Acom 2000A is from seven years ago and I had the EBS problem too.

The best way to determine if you have the EBS-crunch is let somebody who
lives very near to you listen to your SSB-signal. In other words: when
your signal is strong.
Speak with as many intervals between your words as possible; then they
will notice the EBS-crunch easy.

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 2-11-2011 9:44, Markus Schleutermann schreef:
> Hi Steve
>
> The ACOM with the BIAS-problem was bought in 2009, on older versions I never had the problem. To evaluate the problem just listen to your audio, when it sounds scratchy after speech breaks when regaining rf level for a short time then you have the problem. I think the measurments are to slow to determine the problem.
>
> 73 de Mark, HB9AZT
>
>

[Non-text portions of this message have been removed]

4513. ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 11:33:45 UTC
From: Mike
Topic: 4513 Message: 4513

Hi All,

I have got a power-up problem on my ACOM1000. When turning on the switch on the backside of the PA, the upper line of the LCD display is showing only balks(as if the output is 1200W) and the red LED on the front is not flashing. The amplifier can not be turned on at all, I dont even get an error code on the display.
The day before it happend and the ampifier was finally not powering up anymore, I have realized the same already for a moment. But after a short time (I guess 10 seconds) the balks disappeared and the PA was ok. Looks as if something was dying slowly.

The ACOM-service advised me to send the PA to my dealer, since it seems to be a difficult to find +5V problem on the mains or control PCB. I can understand the advice, but being in Dar es Salaam thats not really an option... The CQWW CW is coming soon...hi.

Has anybody had a similar problem before and remembers what happend?

73 Mike
5H3EE

4514. Re: [acom-list] ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 12:21:35 UTC
From: georgek5kg@aol.com
Topic: 4513 Message: 4514

Hello Mike,

I used to have an Acom 1000, but never experienced that problem. I currently have both a 2000A and a 1010 but, again, have not had that problem or any other problem for that matter.

If possible, you could send your amp to Array Solutions in Dallas for repair. I understand that they do a good job with the Acom amps. I understand your difficulty in doing that from 5H3, however.

Back in the 60's, I lived in Asmara, Ethiopia, now Eritrea, and was very active from ET3USA for 3 years. As they say, "them were the good old days", hi.

Tnx for the Qsos in WW SSB. We also worked 5Z4EE. Are you two stations related in some way? Just curious because you are both signing EE suffixes.

Hope to work you in WW CW.

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/2/2011 7:33:49 A.M. Eastern Daylight Time, mike@... writes:

Hi All,

I have got a power-up problem on my ACOM1000. When turning on the switch on the backside of the PA, the upper line of the LCD display is showing only balks(as if the output is 1200W) and the red LED on the front is not flashing. The amplifier can not be turned on at all, I dont even get an error code on the display.
The day before it happend and the ampifier was finally not powering up anymore, I have realized the same already for a moment. But after a short time (I guess 10 seconds) the balks disappeared and the PA was ok. Looks as if something was dying slowly.

The ACOM-service advised me to send the PA to my dealer, since it seems to be a difficult to find +5V problem on the mains or control PCB. I can understand the advice, but being in Dar es Salaam thats not really an option... The CQWW CW is coming soon...hi.

Has anybody had a similar problem before and remembers what happend?

73 Mike
5H3EE

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4515. RE: [acom-list] ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 12:22:58 UTC
From: Kees - pa7two
Topic: 4513 Message: 4515

Hi Mike,

Best thing I guess is to ask Acom Bulgaria for advise. Maybe a quick (but expensive) swap of the main controller PCB can do wonders...

Thinking about it, if you know another HAM with an Acom 1000 close by, maybe you can swap his front-panel on your amp and see if the error is still there. That way you know of the main controller/LCD display PCB is in error. I did the same trick with the resistor fix on the Wattmeter PCB problem I described recently here on the reflector. Made it a lot easier to trace which PCB is in error.

Assuming you took a look inside the amp, re-seated the white coloured connectors on the PCBs etc?

Being unaware of your skills: Remember ==> Work safe! ALWAYS wait at least 30 minutes after shut down of the amp before opening it! Shortcut with an HV insulated screwdriver the HV lead to the tube short to ground first if you are needed to come even close to the HV section of the amp. Use eye protection when doing so. Be extremely careful while measuring on / at the HV side of the amp. Of course, all of this at your own risk!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: mike@...
Date: Wed, 2 Nov 2011 11:33:45 +0000
Subject: [acom-list] ACOM1000, power up problem

Hi All,

I have got a power-up problem on my ACOM1000. When turning on the switch on the backside of the PA, the upper line of the LCD display is showing only balks(as if the output is 1200W) and the red LED on the front is not flashing. The amplifier can not be turned on at all, I dont even get an error code on the display.

The day before it happend and the ampifier was finally not powering up anymore, I have realized the same already for a moment. But after a short time (I guess 10 seconds) the balks disappeared and the PA was ok. Looks as if something was dying slowly.

The ACOM-service advised me to send the PA to my dealer, since it seems to be a difficult to find +5V problem on the mains or control PCB. I can understand the advice, but being in Dar es Salaam thats not really an option... The CQWW CW is coming soon...hi.

Has anybody had a similar problem before and remembers what happend?

73 Mike

5H3EE

[Non-text portions of this message have been removed]

4516. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 12:45:57 UTC
From: georgek5kg@aol.com
Topic: 4510 Message: 4516

Larry I do not understand your note about A1 and A2 inputs, and selecting the unused port. I don't get the part about "selecting the unused port".

I have an Acom 1010, and it has only 1 input. It does, however, have two outputs, A1 and A2, for two antenna selections.

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/2/2011 1:38:49 A.M. Eastern Daylight Time, kl2r.akradio@... writes:

Finally, I notice the isolation between A1 and A2 inputs is rather poor. When the unused (and unterminated) port is selected, I can still hear signals on the transceiver, although they are attenuated quite a bit (S9+10 dB reduces to S4-S5). Is this normal?

[Non-text portions of this message have been removed]

4517. Re: [acom-list] ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 12:10:34 UTC
From: Brian Alsop
Topic: 4513 Message: 4517

Mike,

Had a similar problem with the LCD display going nuts.
It turned out to be two bad electrolytic caps according to the factory.
Look on the top PCB for electrolytics which appear swollen or are leaking.

73 de Brian/K3KO

On 11/2/2011 11:33, Mike wrote:
>
>
> Hi All,
>
> I have got a power-up problem on my ACOM1000. When turning on the switch
> on the backside of the PA, the upper line of the LCD display is showing
> only balks(as if the output is 1200W) and the red LED on the front is
> not flashing. The amplifier can not be turned on at all, I dont even get
> an error code on the display.
> The day before it happend and the ampifier was finally not powering up
> anymore, I have realized the same already for a moment. But after a
> short time (I guess 10 seconds) the balks disappeared and the PA was ok.
> Looks as if something was dying slowly.
>
> The ACOM-service advised me to send the PA to my dealer, since it seems
> to be a difficult to find +5V problem on the mains or control PCB. I can
> understand the advice, but being in Dar es Salaam thats not really an
> option... The CQWW CW is coming soon...hi.
>
> Has anybody had a similar problem before and remembers what happend?
>
> 73 Mike
> 5H3EE
>
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11

4518. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 14:59:51 UTC
From: Two Rivers Contest Club
Topic: 4510 Message: 4518

Yes, antenna selectors, George. All the ports (TX, A1, A2) are bi-directional, of course. My normal config is FT-950 -> TX, Antenna -> A1, No connection -> A2. When I select A2, I can still hear signals.

--
Larry L. Ledlow, Jr. KL7/N1TX
Two Rivers Contest Club KL2R

[Non-text portions of this message have been removed]

4519. Re: ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 15:21:32 UTC
From: Andrey
Topic: 4513 Message: 4519

I want to echo Brian's comment - bad electrolytic caps are common problem in the older 1000's. The early amps used some electrolytic caps not rated for the harsh environment inside a power amp (i.e. temperature rating). Very often they'll fail and sure signs are either leaking the electrolyte (whitish/brownish residue around the cap) or swelling of the aluminum can like they are about to explode or both. A failed cap could sink the power bus voltage of the CPU board (+5V). Take a careful look at the MAIN board (above the power transormer). The CPU board is shielded behind the front panel. Most caps have a stress relief point on top of the can - it looks like an "X". The can should crack open at this point to relief internal pressure instead of bursting - look for electrolyte residue there.

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Mike,
>
> Had a similar problem with the LCD display going nuts.
> It turned out to be two bad electrolytic caps according to the factory.
> Look on the top PCB for electrolytics which appear swollen or are leaking.
>
> 73 de Brian/K3KO
>
> On 11/2/2011 11:33, Mike wrote:
> >
> >
> > Hi All,
> >
> > I have got a power-up problem on my ACOM1000. When turning on the switch
> > on the backside of the PA, the upper line of the LCD display is showing
> > only balks(as if the output is 1200W) and the red LED on the front is
> > not flashing. The amplifier can not be turned on at all, I dont even get
> > an error code on the display.
> > The day before it happend and the ampifier was finally not powering up
> > anymore, I have realized the same already for a moment. But after a
> > short time (I guess 10 seconds) the balks disappeared and the PA was ok.
> > Looks as if something was dying slowly.
> >
> > The ACOM-service advised me to send the PA to my dealer, since it seems
> > to be a difficult to find +5V problem on the mains or control PCB. I can
> > understand the advice, but being in Dar es Salaam thats not really an
> > option... The CQWW CW is coming soon...hi.
> >
> > Has anybody had a similar problem before and remembers what happend?
> >

> > 73 Mike
> > 5H3EE
> >
> >
> >
> > ---
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11
>

4520. Re: [acom-list] Re: ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 15:33:55 UTC
From: Paul Christensen
Topic: 4513 Message: 4520

Andrey,

First, many thank to you for your blog data concerning VNA 'OSL' terminations! Wow, what a world of difference it makes with return loss repeatability when using Amphenol, rather than "Brand X" Asian imports. Anyone interested in knowing how do construct precision 50-ohm terminations for VNA testing purposes would do well to see Andrey's work.

That out of the way, I agree with your cap analysis. Observation of the stress relief point is a good practice at regular maintenance intervals. However, I am surprised this issue should present itself at all. Of all the PS electrolytics I've recently changed in amps, it was done as a preventative measure, rather than by failure. Electrolytic caps produced in the last 10-15 years seem to be especially reliable. So, if anyone has accurate information concerning the root-cause failure of the early ACOM 1000 PS caps, please pass it along.

Paul, W9AC

----- Original Message -----
From: Andrey
To: acom-list@yahoogroups.com
Sent: Wednesday, November 02, 2011 11:21 AM
Subject: [acom-list] Re: ACOM1000, power up problem

I want to echo Brian's comment - bad electrolytic caps are common problem in the older 1000's. The early amps used some electrolytic caps not rated for the harsh environment inside a power amp (i.e. temperature rating). Very often they'll fail and sure signs are either leaking the electrolyte (whitish/brownish residue around the cap) or swelling of the aluminum can like they are about to explode or both. A failed cap could sink the power bus voltage of the CPU board (+5V). Take a careful look at the MAIN board (above the power transormer). The CPU board is shielded behind the front panel. Most caps have a stress relief point on top of the can - it looks like an "X". The can should crack open at this point to relief internal pressure instead of bursting - look for electrolyte residue there.

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Mike,
>
> Had a similar problem with the LCD display going nuts.
> It turned out to be two bad electrolytic caps according to the factory.
> Look on the top PCB for electrolytics which appear swollen or are leaking.
>
> 73 de Brian/K3KO
>
> On 11/2/2011 11:33, Mike wrote:
> >

> >
> > Hi All,
> >
> > I have got a power-up problem on my ACOM1000. When turning on the switch
> > on the backside of the PA, the upper line of the LCD display is showing
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> > not flashing. The amplifier can not be turned on at all, I dont even get
> > an error code on the display.
> > The day before it happend and the ampifier was finally not powering up
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> >
> > Has anybody had a similar problem before and remembers what happend?
> >
> > 73 Mike
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> >
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> > --
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>

[Non-text portions of this message have been removed]

4521. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 16:06:57 UTC
From: georgek5kg@aol.com
Topic: 4510 Message: 4521

Larry.

Interesting. I will have to try selecting A2 with an antenna only
connected to A1.

BTW, why would you even select A2 if it does not have an antenna connected?

Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/2/2011 10:59:54 A.M. Eastern Daylight Time,
kl2r.akradio@... writes:

Yes, antenna selectors, George. All the ports (TX, A1, A2) are
bi-directional, of course. My normal config is FT-950 -> TX, Antenna ->
A1, No connection -> A2. When I select A2, I can still hear signals.

--
Larry L. Ledlow, Jr. KL7/N1TX
Two Rivers Contest Club KL2R

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4522. Re: ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 17:28:19 UTC
From: Andrey
Topic: 4513 Message: 4522

Hi Paul,
thanks for the nice words.

As for the "root cause", I didnt want to elaborate (so nobody over at ACOM gets offended - you know, pride and such) but since you are interested, I'll give you my take. The amps are build in the ACOM factory in Sofia, Bulgaria and they used to source most of the parts from "Eastern Bloc" countries with a lot of parts comming from Bulgaria and Russia. I guess the main reason was the low cost of such components.
The capacitor factory in Bulgaria - then-called "ZZK", (located in the town of Kyustendil) is a communist-era factory - not particularly known for high quality caps. In general, the quality standards for consumer-grade electronic parts back-then-and-there (late 80's-early 90s) were not the greatest. Probably same holds true for other non-mil-grade parts comming from such factories. In my ACOM 1000 I had a lot of caps on the MAIN board manufactured in the Kyustendil factory. You can recognize them by the stylized logo with the schematics symbol for capacitor and the letter "K".
I would only asume that nowadays they manufacture better quality caps.

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Paul Christensen" <pchristensen@...> wrote:
>
> Andrey,
>
> First, many thank to you for your blog data concerning VNA 'OSL' terminations! Wow, what a world of difference it makes with return loss repeatability when using Amphenol, rather than "Brand X" Asian imports. Anyone interested in knowing how do construct precision 50-ohm terminations for VNA testing purposes would do well to see Andrey's work.
>
> That out of the way, I agree with your cap analysis. Observation of the stress relief point is a good practice at regular maintenance intervals. However, I am surprised this issue should present itself at all. Of all the PS electrolytics I've recently changed in amps, it was done as a preventative measure, rather than by failure. Electrolytic caps produced in the last 10-15 years seem to be especially reliable. So, if anyone has accurate information concerning the root-cause failure of the early ACOM 1000 PS caps, please pass it along.
>
> Paul, W9AC
>
>
> ----- Original Message -----
> From: Andrey
> To: acom-list@yahoogroups.com
> Sent: Wednesday, November 02, 2011 11:21 AM
> Subject: [acom-list] Re: ACOM1000, power up problem
>

>
>
> I want to echo Brian's comment - bad electrolytic caps are common problem in the older 1000's. The early amps used some electrolytic caps not rated for the harsh environment inside a power amp (i.e. temperature rating). Very often they'll fail and sure signs are either leaking the electrolyte (whitish/brownish residue around the cap) or swelling of the aluminum can like they are about to explode or both. A failed cap could sink the power bus voltage of the CPU board (+5V). Take a careful look at the MAIN board (above the power transormer). The CPU board is shielded behind the front panel. Most caps have a stress relief point on top of the can - it looks like an "X". The can should crack open at this point to relief internal pressure instead of bursting - look for electrolyte residue there.
>
> 73
> de Andrey, AE1S
>
> --- In acom-list@...m, Brian Alsop <alsopb@> wrote:
> >
> > Mike,
> >
> > Had a similar problem with the LCD display going nuts.
> > It turned out to be two bad electrolytic caps according to the factory.
> > Look on the top PCB for electrolytics which appear swollen or are leaking.
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> > 73 de Brian/K3KO
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> > On 11/2/2011 11:33, Mike wrote:
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> > >
> > > Hi All,
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> > > an error code on the display.
> > > The day before it happend and the ampifier was finally not powering up
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> > > Looks as if something was dying slowly.
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> > > The ACOM-service advised me to send the PA to my dealer, since it seems
> > > to be a difficult to find +5V problem on the mains or control PCB. I can
> > > understand the advice, but being in Dar es Salaam thats not really an
> > > option... The CQWW CW is coming soon...hi.
> > >
> > > Has anybody had a similar problem before and remembers what happend?
> > >
> > > 73 Mike
> > > 5H3EE
> > >

> > >
> > >
> > > ---
> > >
> > > No virus found in this message.
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> > Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11
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> [Non-text portions of this message have been removed]
>

4523. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 19:35:15 UTC
From: Mike Harris
Topic: 4510 Message: 4523

Hi,

Unless Acom have used something more exotic than a simple change over relay then 30dB isolation between antenna ports is about all you can expect. Greater than that requires rather more effort and at least three relays. It pays to remember this when having multiple antennas connected due to the possibility of injecting noise from the off line antenna into the receive path.

Regards,

Mike VP8NO

On 02/11/2011 13:06, georgek5kg@... wrote:
> Larry.
>
> Interesting. I will have to try selecting A2 with an antenna only
> connected to A1.
>
> BTW, why would you even select A2 if it does not have an antenna connected?
>
> Geo...
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/2/2011 10:59:54 A.M. Eastern Daylight Time,
> kl2r.akradio@... writes:
>
> Yes, antenna selectors, George. All the ports (TX, A1, A2) are
> bi-directional, of course. My normal config is FT-950 -> TX, Antenna ->
> A1, No connection -> A2. When I select A2, I can still hear signals.
>

4524. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 19:55:07 UTC
From: Two Rivers Contest Club
Topic: 4510 Message: 4524

Thank you, Mike. I assumed the isolation between A1/A2 might be better, but I never looked at the relay or the schematic, for that matter. Under normal operating conditions I would have only one antenna connected to the amp, but I do occasionally configure with two for convenience of switching.

--
Larry L. Ledlow, Jr. KL7/N1TX
Two Rivers Contest Club KL2R

[Non-text portions of this message have been removed]

4525. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 20:12:57 UTC
From: Brian Alsop
Topic: 4510 Message: 4525

Mike,

Right on. Guys forget this when using multiple radios into a common amp or antenna. At 100 watts one can pump more RF into the unused radio than some can handle. Extra relays to provide more isolation and also ground the antenna terminal of the used rig may be required.

Isolation generally decreases with increasing frequency. So with 10M openings common, it may be time to assess if one has enough rig-to-rig isolation. If one operates 6M the problems get worse.

One way to do this is with an oscilloscope attached to a 50 ohm resistor on the unused radio relay port. Time to consider action if you get more than a volt or two.

My understanding is there are some "high isolation" antenna switches available. Even those are less than 50 db.

BTW high relay switches with big contacts can have less isolation that lower power relays. My guess is the larger contacts have more capacitive coupling than smaller contacts. It depends on the contact spacing as well.

73 de Brian/K3KO

On 11/2/2011 19:35, Mike Harris wrote:
>
>
> Hi,
>
> Unless Acom have used something more exotic than a simple change over
> relay then 30dB isolation between antenna ports is about all you can
> expect. Greater than that requires rather more effort and at least
> three relays. It pays to remember this when having multiple antennas
> connected due to the possibility of injecting noise from the off line
> antenna into the receive path.
>
> Regards,
>
> Mike VP8NO

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11

4526. RE: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 21:12:29 UTC
From: Kees - pa7two
Topic: 4510 Message: 4526

The Acom 1010 has no coax high vacuum high speed relays mounted as in the Acom 1000. The Acom 1010 uses cheaper type switch relays. I am not surprised to read these results actually.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: mike.harris@...
Date: Wed, 2 Nov 2011 16:35:15 -0300
Subject: Re: [acom-list] ACOM 1010 failure out of the box

Hi,

Unless Acom have used something more exotic than a simple change over

relay then 30dB isolation between antenna ports is about all you can

expect. Greater than that requires rather more effort and at least

three relays. It pays to remember this when having multiple antennas

connected due to the possibility of injecting noise from the off line

antenna into the receive path.

Regards,

Mike VP8NO

On 02/11/2011 13:06, georgek5kg@... wrote:

> Larry.

>

> Interesting. I will have to try selecting A2 with an antenna only

> connected to A1.

>

> BTW, why would you even select A2 if it does not have an antenna connected?

>

> Geo...

>

> George Wagner, K5KG

> Sarasota, FL

> 941-400-1960 cell

>

>

> In a message dated 11/2/2011 10:59:54 A.M. Eastern Daylight Time,

> kl2r.akradio@... writes:

>

> Yes, antenna selectors, George. All the ports (TX, A1, A2) are

> bi-directional, of course. My normal config is FT-950 -> TX, Antenna ->

> A1, No connection -> A2. When I select A2, I can still hear signals.

>

[Non-text portions of this message have been removed]

4527. Re: [acom-list] Re: ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 23:10:15 UTC
From: Mel Whitten
Topic: 4513 Message: 4527

..just do a google search on BAD CAPS sometime. :-) Bad electrolytic caps almost put some computer manufacturers out of business. 85C temp rated caps are often used where 105C are needed. It would not surprise me at all that older amps will have bad caps. Remember around 2000 when one Asian company "stole" the formula for making electrolytic caps, made a gazillion then found out the formula was "bad..." resulting in all those gazillion caps failing?

Mel, K0PFX

----- Original Message -----
From: Paul Christensen
To: acom-list@yahoogroups.com
Sent: Wednesday, November 02, 2011 10:33 AM
Subject: Re: [acom-list] Re: ACOM1000, power up problem

Andrey,

First, many thank to you for your blog data concerning VNA 'OSL' terminations! Wow, what a world of difference it makes with return loss repeatability when using Amphenol, rather than "Brand X" Asian imports. Anyone interested in knowing how do construct precision 50-ohm terminations for VNA testing purposes would do well to see Andrey's work.

That out of the way, I agree with your cap analysis. Observation of the stress relief point is a good practice at regular maintenance intervals. However, I am surprised this issue should present itself at all. Of all the PS electrolytics I've recently changed in amps, it was done as a preventative measure, rather than by failure. Electrolytic caps produced in the last 10-15 years seem to be especially reliable. So, if anyone has accurate information concerning the root-cause failure of the early ACOM 1000 PS caps, please pass it along.

Paul, W9AC

----- Original Message -----
From: Andrey
To: acom-list@yahoogroups.com
Sent: Wednesday, November 02, 2011 11:21 AM
Subject: [acom-list] Re: ACOM1000, power up problem

I want to echo Brian's comment - bad electrolytic caps are common problem in the older 1000's. The early amps used some electrolytic caps not rated for the harsh environment inside a power amp (i.e. temperature rating). Very often they'll fail and sure signs are either leaking the electrolyte (whitish/brownish residue around the cap) or swelling of the aluminum can like they are about to explode or both. A failed cap could sink the power bus voltage of the CPU board (+5V). Take a careful look at the MAIN board (above the power transormer). The CPU board is shielded behind the front panel. Most caps have a stress relief point on top of the can - it looks like an "X". The can should crack open at this point to relief internal pressure instead of bursting - look for electrolyte residue there.

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Mike,
>
> Had a similar problem with the LCD display going nuts.
> It turned out to be two bad electrolytic caps according to the factory.
> Look on the top PCB for electrolytics which appear swollen or are leaking.
>
> 73 de Brian/K3KO
>
> On 11/2/2011 11:33, Mike wrote:
> >
> >
> > Hi All,
> >
> > I have got a power-up problem on my ACOM1000. When turning on the switch
> > on the backside of the PA, the upper line of the LCD display is showing
> > only balks(as if the output is 1200W) and the red LED on the front is
> > not flashing. The amplifier can not be turned on at all, I dont even get
> > an error code on the display.
> > The day before it happend and the ampifier was finally not powering up
> > anymore, I have realized the same already for a moment. But after a
> > short time (I guess 10 seconds) the balks disappeared and the PA was ok.
> > Looks as if something was dying slowly.
> >
> > The ACOM-service advised me to send the PA to my dealer, since it seems
> > to be a difficult to find +5V problem on the mains or control PCB. I can
> > understand the advice, but being in Dar es Salaam thats not really an
> > option... The CQWW CW is coming soon...hi.
> >
> > Has anybody had a similar problem before and remembers what happend?
> >
> > 73 Mike
> > 5H3EE
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> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1411 / Virus Database: 2092/3991 - Release Date: 11/02/11
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[Non-text portions of this message have been removed]

4528. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-02 23:32:37 UTC
From: Mike Harris
Topic: 4510 Message: 4528

Top Ten Devices A_B switch is designed for this sort of application.
There is much info in their product manuals available for download.

Regards,

Mike VP8NO

On 02/11/2011 17:12, Brian Alsop wrote:
> Mike,
>
> Right on. Guys forget this when using multiple radios into a common amp
> or antenna. At 100 watts one can pump more RF into the unused radio
> than some can handle. Extra relays to provide more isolation and also
> ground the antenna terminal of the used rig may be required.
>
> Isolation generally decreases with increasing frequency. So with 10M
> openings common, it may be time to assess if one has enough rig-to-rig
> isolation. If one operates 6M the problems get worse.
>
> One way to do this is with an oscilloscope attached to a 50 ohm resistor
> on the unused radio relay port. Time to consider action if you get more
> than a volt or two.
>
> My understanding is there are some "high isolation" antenna switches
> available. Even those are less than 50 db.
>
> BTW high relay switches with big contacts can have less isolation that
> lower power relays. My guess is the larger contacts have more
> capacitive coupling than smaller contacts. It depends on the contact
> spacing as well.
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> 73 de Brian/K3KO
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> On 11/2/2011 19:35, Mike Harris wrote:
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>> Hi,
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>> Unless Acom have used something more exotic than a simple change over
>> relay then 30dB isolation between antenna ports is about all you can
>> expect. Greater than that requires rather more effort and at least
>> three relays. It pays to remember this when having multiple antennas
>> connected due to the possibility of injecting noise from the off line
>> antenna into the receive path.
>>
>> Regards,

>>
>> Mike VP8NO

4529. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-03 05:13:00 UTC
From: Two Rivers Contest Club
Topic: 4510 Message: 4529

The unit is headed back to A-S tomorrow for further troubleshooting and repair. Thanks for all the replies.

--
Larry L. Ledlow, Jr. KL7/N1TX
Two Rivers Contest Club KL2R

[Non-text portions of this message have been removed]

4530. Re: [acom-list] ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-03 13:28:22 UTC
From: Mike Stange
Topic: 4513 Message: 4530

Hello,

thanks to all of you for your input. The good thing first: The PA is working!

The one advice from Kees was the crucial hint. I have had disconnected and reconnected all the connectors on the mains PCB before, but not on the controller PCB behind the front panel. After doing it this morning the problem was already solved.
Honestly, before the WWSSB I did not spend to much time searching for the fault. I was busy with bringing my brocken beam back up in the air and had already planned before to go on LP 10m. Thanks George & Kees for the QSOs.

The amplifier is almost new, bought in december 2010. Therefore the electrolytic capacitors were newer ones. Anyway, I did check them - nothing was to be seen.
For your information: I have had another fault in february, a PN27 error. Together with Igor/UA3DJY we did find out, that the 3MOhm resistor of the HV indicator was having a too low value. So the ADC was always seeing an overvoltage...

George, I was also surprised, when I did hear the 5Z4EE the first time, but there is no relation. Actually, I would no cw-operator wish to have this EE suffix....terrible when going for S&P in a contest.

Thanks again to all! Now CQWW CW can come... Kees, I am owing you a 5band-QSO...Hi.

73 Mike
5H3EE

----- Original Message -----
From: "Kees - pa7two" <pa7two@...>
To: "ACOM Reflector site" <acom-list@yahoogroups.com>
Sent: Wednesday, November 02, 2011 3:22 PM
Subject: RE: [acom-list] ACOM1000, power up problem

>
> Hi Mike,
>
> Best thing I guess is to ask Acom Bulgaria for advise. Maybe a quick (but
> expensive) swap of the main controller PCB can do wonders...
>
> Thinking about it, if you know another HAM with an Acom 1000 close by,
> maybe you can swap his front-panel on your amp and see if the error is
> still there. That way you know of the main controller/LCD display PCB is
> in error. I did the same trick with the resistor fix on the Wattmeter PCB

> problem I described recently here on the reflector. Made it a lot easier
> to trace which PCB is in error.
>
> Assuming you took a look inside the amp, re-seated the white coloured
> connectors on the PCBs etc?
>
> Being unaware of your skills: Remember ==> Work safe! ALWAYS wait at least
> 30 minutes after shut down of the amp before opening it! Shortcut with an
> HV insulated screwdriver the HV lead to the tube short to ground first if
> you are needed to come even close to the HV section of the amp. Use eye
> protection when doing so. Be extremely careful while measuring on / at the
> HV side of the amp. Of course, all of this at your own risk!
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
> To: acom-list@yahoogroups.com
> From: mike@...
> Date: Wed, 2 Nov 2011 11:33:45 +0000
> Subject: [acom-list] ACOM1000, power up problem
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> Hi All,
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> I have got a power-up problem on my ACOM1000. When turning on the switch
> on the backside of the PA, the upper line of the LCD display is showing
> only balks(as if the output is 1200W) and the red LED on the front is not
> flashing. The amplifier can not be turned on at all, I dont even get an
> error code on the display.
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> The day before it happend and the ampifier was finally not powering up
> anymore, I have realized the same already for a moment. But after a short
> time (I guess 10 seconds) the balks disappeared and the PA was ok. Looks
> as if something was dying slowly.
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> The ACOM-service advised me to send the PA to my dealer, since it seems to
> be a difficult to find +5V problem on the mains or control PCB. I can
> understand the advice, but being in Dar es Salaam thats not really an
> option... The CQWW CW is coming soon...hi.
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>
> Has anybody had a similar problem before and remembers what happend?
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> 73 Mike
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> 5H3EE
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4531. RE: [acom-list] ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-03 15:03:50 UTC
From: Kees - pa7two
Topic: 4513 Message: 4531

Hi Mike,

I am more than willing to QSO with you 5 Band :-)

Very good to read the problem is resolved.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: mike@zawadi.de
Date: Thu, 3 Nov 2011 16:28:22 +0300
Subject: Re: [acom-list] ACOM1000, power up problem

Hello,

thanks to all of you for your input. The good thing first: The PA is

working!

The one advice from Kees was the crucial hint. I have had disconnected and

reconnected all the connectors on the mains PCB before, but not on the

controller PCB behind the front panel. After doing it this morning the

problem was already solved.

Honestly, before the WWSSB I did not spend to much time searching for the

fault. I was busy with bringing my brocken beam back up in the air and had

already planned before to go on LP 10m. Thanks George & Kees for the QSOs.

The amplifier is almost new, bought in december 2010. Therefore the

electrolytic capacitors were newer ones. Anyway, I did check them - nothing

was to be seen.

For your information: I have had another fault in february, a PN27 error.

Together with Igor/UA3DJY we did find out, that the 3MOhm resistor of the HV

indicator was having a too low value. So the ADC was always seeing an

overvoltage...

George, I was also surprised, when I did hear the 5Z4EE the first time, but there is no relation. Actually, I would no cw-operator wish to have this EE suffix....terrible when going for S&P in a contest.

Thanks again to all! Now CQWW CW can come... Kees, I am owing you a 5band-QSO...Hi.

73 Mike

5H3EE

----- Original Message -----

From: "Kees - pa7two" <pa7two@...>

To: "ACOM Reflector site" <acom-list@yahoogroups.com>

Sent: Wednesday, November 02, 2011 3:22 PM

Subject: RE: [acom-list] ACOM1000, power up problem

>

> Hi Mike,

>

> Best thing I guess is to ask Acom Bulgaria for advise. Maybe a quick (but
> expensive) swap of the main controller PCB can do wonders...

>

> Thinking about it, if you know another HAM with an Acom 1000 close by,
> maybe you can swap his front-panel on your amp and see if the error is
> still there. That way you know of the main controller/LCD display PCB is
> in error. I did the same trick with the resistor fix on the Wattmeter PCB
> problem I described recently here on the reflector. Made it a lot easier
> to trace which PCB is in error.

>

> Assuming you took a look inside the amp, re-seated the white coloured
> connectors on the PCBs etc?

>

> Being unaware of your skills: Remember ==> Work safe! ALWAYS wait at least

> 30 minutes after shut down of the amp before opening it! Shortcut with an
> HV insulated screwdriver the HV lead to the tube short to ground first if
> you are needed to come even close to the HV section of the amp. Use eye
> protection when doing so. Be extremely careful while measuring on / at the
> HV side of the amp. Of course, all of this at your own risk!
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> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
> To: acom-list@yahoogroups.com
> From: mike@...
> Date: Wed, 2 Nov 2011 11:33:45 +0000
> Subject: [acom-list] ACOM1000, power up problem
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> flashing. The amplifier can not be turned on at all, I dont even get an

> error code on the display.

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> anymore, I have realized the same already for a moment. But after a short

> time (I guess 10 seconds) the balks disappeared and the PA was ok. Looks

> as if something was dying slowly.

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> be a difficult to find +5V problem on the mains or control PCB. I can

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> option... The CQWW CW is coming soon...hi.

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> Has anybody had a similar problem before and remembers what happend?

>

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> 73 Mike

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> 5H3EE

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4532. Re: [acom-list] ACOM1000, power up problem

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-03 17:15:46 UTC
From: georgek5kg@aol.com
Topic: 4513 Message: 4532

Mike, glad to hear that you got the Acom 1000 working again. Hope to work you in WW CW.

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/3/2011 12:51:13 P.M. Eastern Daylight Time, mike@... writes:

Hello,

thanks to all of you for your input. The good thing first: The PA is working!

The one advice from Kees was the crucial hint. I have had disconnected and reconnected all the connectors on the mains PCB before, but not on the controller PCB behind the front panel. After doing it this morning the problem was already solved.
Honestly, before the WWSSB I did not spend to much time searching for the fault. I was busy with bringing my brocken beam back up in the air and had already planned before to go on LP 10m. Thanks George & Kees for the QSOs.

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73 Mike
5H3EE

----- Original Message -----
From: "Kees - pa7two" <pa7two@...>
To: "ACOM Reflector site" <acom-list@yahoogroups.com>
Sent: Wednesday, November 02, 2011 3:22 PM
Subject: RE: [acom-list] ACOM1000, power up problem

>
> Hi Mike,
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> Best thing I guess is to ask Acom Bulgaria for advise. Maybe a quick
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> Thinking about it, if you know another HAM with an Acom 1000 close by,
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> Assuming you took a look inside the amp, re-seated the white coloured
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> protection when doing so. Be extremely careful while measuring on / at
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> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
> To: acom-list@yahoogroups.com
> From: mike@...
> Date: Wed, 2 Nov 2011 11:33:45 +0000
> Subject: [acom-list] ACOM1000, power up problem
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> option... The CQWW CW is coming soon...hi.
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> Has anybody had a similar problem before and remembers what happend?

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> 73 Mike
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4533. Hey All, Newbie..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 14:09:44 UTC
From: ** N8NOE **
Topic: 4533 Message: 4533

Hey All,
Expecting my 2000A in on Tuesday here and taking some time today to get everything set and ready. Doing some Reading here on Faults and getting a bit "Gun-Shy" now? My PW-1 was taken out lastnight and the New IC-7700 is (ok, NOT so patiently waiting) for big brown truck to stop here.. Like to say Hi and back to some Reading..
73 Jeff-N8NOE

4534. Re: [acom-list] Hey All, Newbie..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 14:22:13 UTC
From: georgek5kg@aol.com
Topic: 4533 Message: 4534

Jeff,

If you need any coaching on your new 2000A, just give me a call. I have had mine for 6 years or so. You will love it.

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/12/2011 9:09:47 A.M. Eastern Standard Time, N8NOE@... writes:

Hey All,
Expecting my 2000A in on Tuesday here and taking some time today to get everything set and ready. Doing some Reading here on Faults and getting a bit "Gun-Shy" now? My PW-1 was taken out lastnight and the New IC-7700 is (ok, NOT so patiently waiting) for big brown truck to stop here.. Like to say Hi and back to some Reading..
73 Jeff-N8NOE

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4535. Re: Acom RTTY diagnostics

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 14:22:33 UTC
From: ** N8NOE **
Topic: 7 Message: 4535

Barry; I'm ALL new to ACOM but also a RTTY op.
There are internal RTTY Diag's in the AMP?..
Be Glad to lend a Hand come Tuesday.. Santa comes then, YOU know the BIG Brown Truck Santa...
Jeff-N8NOE

--- In acom-list@yahoogroups.com, "Barry Kutner" <w2up@...> wrote:
>
> Hi all - Being a RTTY op, I tried copying the RTTY diagnostics
> produced by the RCU, but I am unable to get print. According to the
> manual, it is supposed to be plain old 45 baud Baudot with standard
> shift. I did note the tones are inverted from standrad RTTY, but still
> doesn't print. Has anyone else tried to copy this stuff?
> 73 Barry
> --
> Barry Kutner, W2UP Internet: w2up@...
> Newtown, PA Frankford Radio Club
>
>
>
> --
>
> eGroups.com home: http://www.egroups.com/group/acom-list
> http://www.egroups.com - Simplifying group communications
>

4536. Re: [acom-list] Hey All, Newbie..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 14:52:43 UTC
From: Jim Idelson
Topic: 4533 Message: 4536

I have two that have lasted forever.

--
73,

Jim K1IR

On 11/12/2011 9:22 AM, georgek5kg@... wrote:
> Jeff,
>
> If you need any coaching on your new 2000A, just give me a call. I have
> had mine for 6 years or so. You will love it.
>
> 73, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/12/2011 9:09:47 A.M. Eastern Standard Time,
> N8NOE@... writes:
>
> Hey All,
> Expecting my 2000A in on Tuesday here and taking some time today to get
> everything set and ready. Doing some Reading here on Faults and getting a bit
> "Gun-Shy" now? My PW-1 was taken out lastnight and the New IC-7700 is (ok,
> NOT so patiently waiting) for big brown truck to stop here.. Like to say
> Hi and back to some Reading..
> 73 Jeff-N8NOE
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links
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4537. 2000a PC can't power on/off nor stb/opr switch

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 16:52:12 UTC
From: dl2cc@yahoo.de
Topic: 4537 Message: 4537

Hi all,

I know it has been asked before but what is wrong if I can read the meter and status of the 2000a just fine from acomtools and trxmanager but I just can't switch the amp on/off nor back to OPR if it is in STB mode.

I use the adapter from dxsupply.com and the supplied cable with a FTDI USB serial port on Windows 7.

Any help is appreciated before I go nuts!

Thanks 73
Frank DL2CC

4538. Re: [acom-list] Hey All, Newbie..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 17:44:26 UTC
From: k3pp@k3pp.com
Topic: 4533 Message: 4538

Welcome to the fraternity, Jeff!

Early models had some bad connectors and caps that caused trouble, but newer units are rock solid. I got one of the first units sold in the US and had these failures. All is good now. It's a killer amp!

VY 73 de Glenn K3PP
Sent via BlackBerry by AT&T

-----Original Message-----
From: Jim Idelson <k1ir@...>
Sender: acom-list@yahoogroups.com
Date: Sat, 12 Nov 2011 09:52:43
To: <acom-list@yahoogroups.com>
Reply-To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Hey All, Newbie..

I have two that have lasted forever.

--
73,

Jim K1IR

On 11/12/2011 9:22 AM, georgek5kg@... wrote:
> Jeff,
>
> If you need any coaching on your new 2000A, just give me a call. I have
> had mine for 6 years or so. You will love it.
>
> 73, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/12/2011 9:09:47 A.M. Eastern Standard Time,
> N8NOE@... writes:
>
> Hey All,
> Expecting my 2000A in on Tuesday here and taking some time today to get
> everything set and ready. Doing some Reading here on Faults and getting a bit
> "Gun-Shy" now? My PW-1 was taken out lastnight and the New IC-7700 is (ok,
> NOT so patiently waiting) for big brown truck to stop here.. Like to say
> Hi and back to some Reading..
> 73 Jeff-N8NOE

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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4539. wtb Acom 1000 uk area only

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 19:00:38 UTC
From: paim
Topic: 4539 Message: 4539

hello
i am looking for Acom 1000 if any have one for sale Please U.K ONLY
many thanks vy 73
g0uut

E.P

[Non-text portions of this message have been removed]

4540. Newbie - Bought the best !!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 21:49:38 UTC
From: John Walker
Topic: 4533 Message: 4540

An incredible amp !!

Nothing beats it and I will never sell my 2K!

I worked cqww a few weeks back and doubled my all time score, of course conditions were great but how much time
do we really waste load and plating those other amp ??

It was so smooth to move around with all that power, be heard the first call and just push out a very strong and solid signal.

I love my 2K !

73-
W1JCW
John

To: acom-list@yahoogroups.com
From: k3pp@...
Date: Sat, 12 Nov 2011 17:44:26 +0000
Subject: Re: [acom-list] Hey All, Newbie..

Welcome to the fraternity, Jeff!

Early models had some bad connectors and caps that caused trouble, but newer units are rock solid. I got one of the first units sold in the US and had these failures. All is good now. It's a killer amp!

VY 73 de Glenn K3PP
Sent via BlackBerry by AT&T

-----Original Message-----
From: Jim Idelson <k1ir@...>
Sender: acom-list@yahoogroups.com
Date: Sat, 12 Nov 2011 09:52:43
To: <acom-list@yahoogroups.com>
Reply-To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Hey All, Newbie..

I have two that have lasted forever.

--
73,

Jim K1IR

On 11/12/2011 9:22 AM, georgek5kg@... wrote:
> Jeff,

>
> If you need any coaching on your new 2000A, just give me a call. I have
> had mine for 6 years or so. You will love it.
>
> 73, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/12/2011 9:09:47 A.M. Eastern Standard Time,
> N8NOE@... writes:
>
> Hey All,
> Expecting my 2000A in on Tuesday here and taking some time today to get
> everything set and ready. Doing some Reading here on Faults and getting a bit
> "Gun-Shy" now? My PW-1 was taken out lastnight and the New IC-7700 is (ok,
> NOT so patiently waiting) for big brown truck to stop here.. Like to say
> Hi and back to some Reading..
> 73 Jeff-N8NOE
.

[Non-text portions of this message have been removed]

4541. Re: [acom-list] Newbie - Bought the best !!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 01:35:22 UTC
From: Hans Remeeus
Topic: 4533 Message: 4541

Hello John,

After more than 7 years 2K I still feel the same as you do!

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 12-11-2011 22:49, John Walker schreef:
> An incredible amp !!
>
> Nothing beats it and I will never sell my 2K!
>
> I worked cqww a few weeks back and doubled my all time score, of course conditions were great but how much time
> do we really waste load and plating those other amp ??
>
> It was so smooth to move around with all that power, be heard the first call and just push out a very strong and solid signal.
>
> I love my 2K !
>
> 73-
> W1JCW
> John
>
>
>
>
>
> To: acom-list@yahoogroups.com
> From: k3pp@...
> Date: Sat, 12 Nov 2011 17:44:26 +0000
> Subject: Re: [acom-list] Hey All, Newbie..
>
>
>
>
>
>
>
> Welcome to the fraternity, Jeff!
>
> Early models had some bad connectors and caps that caused trouble, but newer units are rock solid. I got one of the first units sold in the US and had these failures. All is good

now. It's a killer amp!
>
> VY 73 de Glenn K3PP
> Sent via BlackBerry by AT&T
>
> -----Original Message-----
> From: Jim Idelson<k1ir@...>
> Sender: acom-list@yahoogroups.com
> Date: Sat, 12 Nov 2011 09:52:43
> To:<acom-list@yahoogroups.com>
> Reply-To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Hey All, Newbie..
>
> I have two that have lasted forever.
>

[Non-text portions of this message have been removed]

4542. operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 10:01:26 UTC
From: Unit365
Topic: 4533 Message: 4542

Hi all

I would like to know, among the users have the 2000a since long time, what is your operating time in the menu of the amp and how many time the lamps in normal use, not always 100% of power, the lamp stay in good standing.
Thanks

Olivier
F4FQH

[Non-text portions of this message have been removed]

4543. Re: [acom-list] operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 11:33:39 UTC
From: Fernando EC1CT
Topic: 4533 Message: 4543

Hi Olivier,
My 2000A is 2 years old. Runnig time is 2.946 hours, revision code: 5.0. Never use more than 1 kw or 400 watts on RTTY. Tubes and rest of settings are whitin its specifications. I do some contest ocasionally, never do qsk. Replaced the vacuum relay recently (not a difficult task). I switch on the amp everyday for a few hours althought I could use it or not. The amp remains in 30 Celsius while in stand by and could easily reach its 60 or 65 C while in use. I have the extra fan installed (never heard it running) and have 3 extra fans around the amp in a cabinet (2 blowing and 1 extracting the air off the shelf). Hope this help. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Unit365
Sent: Sunday, November 13, 2011 11:01 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] operating time

Hi all

I would like to know, among the users have the 2000a since long time, what is your operating time in the menu of the amp and how many time the lamps in normal use, not always 100% of power, the lamp stay in good standing.
Thanks

Olivier
F4FQH

[Non-text portions of this message have been removed]

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2012.0.1869 / Base de datos de virus: 2092/4613 - Fecha de publicación: 11/12/11

[Non-text portions of this message have been removed]

4544. RE: [acom-list] operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 11:44:49 UTC
From: Bob Naumann
Topic: 4533 Message: 4544

Olivier,

If you are referring to the tubes (lamps), I have had my 2000A since late 1998 and it still has the original tubes and they work as well as a new amplifier.

I don't know how many hours are on the tubes, but it has been used in every major contest since I got it - all modes including RTTY plus it has been to Antigua 3 times as baggage on American Airlines. I think it is a very rugged and reliable amplifier overall.

Sure, there are some who have had trouble from time to time, but generally speaking I think most have experience like I have, where it just does its job.

Over the history of my amp, it had some filament supply connectors that had to be replaced under warranty shortly after I purchased it and the vacuum relay had to be replaced about 4 years ago. Aside from that, it has been trouble free.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Unit365
Sent: Sunday, November 13, 2011 4:01 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] operating time

Hi all

I would like to know, among the users have the 2000a since long time, what is your operating time in the menu of the amp and how many time the lamps in normal use, not always 100% of power, the lamp stay in good standing.
Thanks

Olivier
F4FQH

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4545. Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 13:39:35 UTC
From: Hal Kennedy
Topic: 4545 Message: 4545

Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another. The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes, used to say they were good for 3500 hours average, but I always thought that number was too low. The 2000A has an excellent cooling system and that's part of the key to long life. It has excellent protection circuits too.

73 Hal N4GG

[Non-text portions of this message have been removed]

4546. Re: [acom-list] Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 18:27:31 UTC
From: Unit365
Topic: 4545 Message: 4546

hello

Thanks everybody for your answers.
I have one tube in stock , will buy another one even if i need them in 10 years...hehe
This amp is fantastic !
After 1010, this 2000 is nice too

73s
Olivier
F4FQH

From: Hal Kennedy
Sent: Sunday, November 13, 2011 2:39 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Life

Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another.
The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes,
used to say they were good for 3500 hours average, but I always thought
that number was too low. The 2000A has an excellent cooling system and
that's part of the key to long life. It has excellent protection
circuits too.

73 Hal N4GG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4547. Re: [acom-list] Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 20:09:24 UTC
From: Fernando EC1CT
Topic: 4545 Message: 4547

Hi Olivier,
One tube is a good idea for an Acom 1000. But assuming that your Acom 200 has 2 tubes inside, that tubes must be MATCHED PAIR...
it means that they must be within similar specifications (as close one to each other as possible). Vinecom in UK is selling them as MATCHED PAIR and fully tested, just in case you need them. 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@esbesaya.com
KR DX Group

From: Unit365
Sent: Sunday, November 13, 2011 7:27 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Tube Life

hello

Thanks everybody for your answers.
I have one tube in stock , will buy another one even if i need them in 10 years...hehe
This amp is fantastic !
After 1010, this 2000 is nice too

73s
Olivier
F4FQH

From: Hal Kennedy
Sent: Sunday, November 13, 2011 2:39 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Life

Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another.
The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes,
used to say they were good for 3500 hours average, but I always thought
that number was too low. The 2000A has an excellent cooling system and
that's part of the key to long life. It has excellent protection
circuits too.

73 Hal N4GG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2012.0.1869 / Base de datos de virus: 2092/4614 - Fecha de publicación: 11/13/11

[Non-text portions of this message have been removed]

4548. Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 21:15:15 UTC
From: Roger
Topic: 4545 Message: 4548

Matched pair = pure fantasy

--- In acom-list@yahoogroups.com, "Fernando EC1CT" <ec1ct@...> wrote:
>
> Hi Olivier,
> One tube is a good idea for an Acom 1000. But assuming that your Acom 200 has 2 tubes inside, that tubes must be MATCHED PAIR...
> it means that they must be within similar specifications (as close one to each other as possible). Vinecom in UK is selling them as MATCHED PAIR and fully tested, just in case you need them. 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>
>
> From: Unit365
> Sent: Sunday, November 13, 2011 7:27 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Tube Life
>
>
>
> hello
>
> Thanks everybody for your answers.
> I have one tube in stock , will buy another one even if i need them in 10 years...hehe
> This amp is fantastic !
> After 1010, this 2000 is nice too
>
> 73s
> Olivier
> F4FQH
>
> From: Hal Kennedy
> Sent: Sunday, November 13, 2011 2:39 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Tube Life
>
> Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another.
> The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes,
> used to say they were good for 3500 hours average, but I always thought
> that number was too low. The 2000A has an excellent cooling system and
> that's part of the key to long life. It has excellent protection
> circuits too.

>
> 73 Hal N4GG
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
> No se encontraron virus en este mensaje.
> Comprobado por AVG - www.avg.com
> VersiÃ³n: 2012.0.1869 / Base de datos de virus: 2092/4614 - Fecha de publicaciÃ³n:
11/13/11
>
>
> [Non-text portions of this message have been removed]
>

4550. Re: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 22:12:55 UTC
From: Mike Harris
Topic: 4545 Message: 4550

Please elaborate.

Regards,

Mike VP8NO

On 13/11/2011 18:15, Roger wrote:
> Matched pair = pure fantasy
>
> --- In acom-list@yahoogroups.com, "Fernando EC1CT"<ec1ct@...> wrote:
>>
>> Hi Olivier,
>> One tube is a good idea for an Acom 1000. But assuming that your Acom 200 has 2 tubes inside, that tubes must be MATCHED PAIR...
>> it means that they must be within similar specifications (as close one to each other as possible). Vinecom in UK is selling them as MATCHED PAIR and fully tested, just in case you need them. 73
>> Fernando EC1CT // KD0IGJ
>> E-Mail: ec1ct@...
>> KR DX Group

4551. RE: [acom-list] unsubscribe

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-12 22:40:58 UTC
From: Callum McC
Topic: 434 Message: 4551

OM, send to acom-list-unsubscribe@yahoogroups.com

73.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Richard Cariello
Sent: 13 November 2011 21:48
To: acom-list@yahoogroups.com
Subject: [acom-list] unsubscribe

[Non-text portions of this message have been removed]

4552. RE: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-13 23:08:43 UTC
From: Hal Kennedy
Topic: 4545 Message: 4552

☐Matched pair☐ is ridiculous. There is zero technical justification for a closely matched pair. The term ☐must be☐ is just plain incorrect. These are high gain tetrodes in grid driven service with the gain set by negative feedback in the cathodes. NOTHING like grounded-grid. I have put the challenge out here before and nobody every responds ☐ provide a technical reason ☐ along with maybe a little engineering math to justify this folklore. There isn☐t any. Plug in any two decent tubes and enjoy your amplifier.

73,
Hal N4GG
MS, BSEE ☐ 35 years RF design experience

```
-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
Behalf Of Roger
Sent: Sunday, November 13, 2011 4:15 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Tube Life

Matched pair = pure fantasy

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
"Fernando EC1CT" <ec1ct@...> wrote:
>
> Hi Olivier,
> One tube is a good idea for an Acom 1000. But assuming that your Acom
200 has 2 tubes inside, that tubes must be MATCHED PAIR...
> it means that they must be within similar specifications (as close one
to each other as possible). Vinecom in UK is selling them as MATCHED
PAIR and fully tested, just in case you need them. 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
>
>
> From: Unit365
> Sent: Sunday, November 13, 2011 7:27 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] Tube Life
>
>
>
> hello
>
```

> Thanks everybody for your answers.
> I have one tube in stock , will buy another one even if i need them in
10 years...hehe
> This amp is fantastic !
> After 1010, this 2000 is nice too
>
> 73s
> Olivier
> F4FQH
>
> From: Hal Kennedy
> Sent: Sunday, November 13, 2011 2:39 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] Tube Life
>
> Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another.
> The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes,
> used to say they were good for 3500 hours average, but I always
thought
> that number was too low. The 2000A has an excellent cooling system and
> that's part of the key to long life. It has excellent protection
> circuits too.
>
> 73 Hal N4GG
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>
>
> No se encontraron virus en este mensaje.
> Comprobado por AVG - www.avg.com
> VersiÃ³n: 2012.0.1869 / Base de datos de virus: 2092/4614 - Fecha de
publicaciÃ³n: 11/13/11
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

4553. Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 03:40:01 UTC
From: ** N8NOE **
Topic: 4533 Message: 4553

This may be Kinda Dumb, But will effect the Placing on my Amp on Tuesday.
HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top, But I'm thinking of sitting it on the bench next to the radio (Think I Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it on the Bench the TV/7700 Monitor would sit on top of it...

Jeff-N8NOE

4554. Re: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 04:21:11 UTC
From: georgek5kg@aol.com
Topic: 4533 Message: 4554

Jeff,

I'm not really sure what you are asking. The paragraph you have written is pretty jumbled up and I'm having difficulty trying to determine what you are really wanting to know.

If you are referring to an Acom 2000A, there are no fans on top of it. There is one fan on the rear.

You mention placing a TV/7700 on top of the amp. I don't know what a TV/7700 is, but I recommend that you do NOT place anything on top of the amp.

You ask how warm/HOT does the top of the amp get. I have never taken a temperature reading, but mine gets hot enough that I wouldn't want to place my hand over the tube vents.

In my case, my amp sits behind my operating desk. It sits on a wooden platform that I built with four 2" wheels. The amp sits about 4" above the floor. With the platform on wheels, I can scoot the amp around easily when I need to move it. The control head sits up on my operating desk.

What do you have in terms of 220 vac service for the amp?

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time, N8NOE@... writes:

This may be Kinda Dumb, But will effect the Placing on my Amp on Tuesday. HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top, But I'm thinking of sitting it on the bench next to the radio (Think I Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it on the Bench the TV/7700 Monitor would sit on top of it...

Jeff-N8NOE

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4555. Re: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 04:49:33 UTC
From: Jim
Topic: 4533 Message: 4555

Actually it has a blower inside the Amp
near the Tubes. If it has the optional fan it is on the rear right side. All have a filter on the right rear but may not have the optional fan.

KE4WY Jim

Sent from my Ipod

On Nov 13, 2011, at 11:21 PM, georgek5kg@... wrote:

> Jeff,
>
> I'm not really sure what you are asking. The paragraph you have written
> is pretty jumbled up and I'm having difficulty trying to determine what you
> are really wanting to know.
>
> If you are referring to an Acom 2000A, there are no fans on top of it.
> There is one fan on the rear.
>
> You mention placing a TV/7700 on top of the amp. I don't know what a
> TV/7700 is, but I recommend that you do NOT place anything on top of the amp.
>
> You ask how warm/HOT does the top of the amp get. I have never taken a
> temperature reading, but mine gets hot enough that I wouldn't want to place
> my hand over the tube vents.
>
> In my case, my amp sits behind my operating desk. It sits on a wooden
> platform that I built with four 2" wheels. The amp sits about 4" above the
> floor. With the platform on wheels, I can scoot the amp around easily when I
> need to move it. The control head sits up on my operating desk.
>
> What do you have in terms of 220 vac service for the amp?
>
> 73, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> N8NOE@... writes:
>
> This may be Kinda Dumb, But will effect the Placing on my Amp on Tuesday.
> HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top,
> But I'm thinking of sitting it on the bench next to the radio (Think I

> Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it on the
> Bench the TV/7700 Monitor would sit on top of it...
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> Jeff-N8NOE
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> Yahoo! Groups Links
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> Yahoo! Groups Links
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4556. RE: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 09:32:44 UTC
From: Kees - pa7two
Topic: 4545 Message: 4556

I agree on this statement. As long as the two tubes do not differ much temperature wise (easy to check in an Acom 2000a) that is as close as one needs to go when it comes to the topic 'tube matching' for an Acom2000a. Sure, I can see the emails coming about the discussion what the maximum difference should be... Well, here we go: Would a 10-20 degrees Celsius difference between the tubes be 'matched' enough for an Acom 2000a?

A match of <5% is nice to have, easy to observe because both tubes show then the same temperature curves, sure. Personally, I would like a 'matched' tube pair too for my amps. But the question is : Is it needed in the Acom 2000a? Out of experience I can ventilate the following: Very very often if the tubes are from the exact same production batch, the match is more than close enough. (Read: ** Close **). Exceptions to the rule are apply of course.

About average tube life: Around 3500-5000 Hours (with again exceptions to this rule, less than 800 Hours and over 7200 Hours in example) is my experience. When it comes to the lower hours tubes, in general in all cases the amps were fully loaded with dust, filter never cleaned and often used (at or near full output) with RTTY mode. A proper loading and cooling the GU74B tubes seems to be essential for an happy tube and it's life span!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: halken@...
Date: Sun, 13 Nov 2011 18:08:43 -0500
Subject: RE: [acom-list] Re: Tube Life

?Matched pair? is ridiculous. There is zero technical justification for

a closely matched pair. The term ?must be? is just plain incorrect.

These are high gain tetrodes in grid driven service with the gain set by

negative feedback in the cathodes. NOTHING like grounded-grid. I have

put the challenge out here before and nobody every responds ? provide a

technical reason ? along with maybe a little engineering math to justify

this folklore. There isn?t any. Plug in any two decent tubes and enjoy

your amplifier.

73,

Hal N4GG

MS, BSEE ? 35 years RF design experience

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

Behalf Of Roger

Sent: Sunday, November 13, 2011 4:15 PM

To: acom-list@yahoogroups.com

Subject: [acom-list] Re: Tube Life

Matched pair = pure fantasy

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,

"Fernando EC1CT" <ec1ct@...> wrote:

>

> Hi Olivier,

> One tube is a good idea for an Acom 1000. But assuming that your Acom

200 has 2 tubes inside, that tubes must be MATCHED PAIR...

> it means that they must be within similar specifications (as close one

to each other as possible). Vinecom in UK is selling them as MATCHED

PAIR and fully tested, just in case you need them. 73

> Fernando EC1CT // KD0IGJ

> E-Mail: ec1ct@...

> KR DX Group

>

>

>

> From: Unit365

> Sent: Sunday, November 13, 2011 7:27 PM

> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> Subject: Re: [acom-list] Tube Life

>

>

>

> hello

>

> Thanks everybody for your answers.

> I have one tube in stock , will buy another one even if i need them in

10 years...hehe

> This amp is fantastic !

> After 1010, this 2000 is nice too

>

> 73s

> Olivier

> F4FQH

>

> From: Hal Kennedy

> Sent: Sunday, November 13, 2011 2:39 PM

> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> Subject: [acom-list] Tube Life

>

> Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another.

> The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes,

> used to say they were good for 3500 hours average, but I always

thought

> that number was too low. The 2000A has an excellent cooling system and

> that's part of the key to long life. It has excellent protection

> circuits too.

>

> 73 Hal N4GG

>

> [Non-text portions of this message have been removed]

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> [Non-text portions of this message have been removed]

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> No se encontraron virus en este mensaje.

> Comprobado por AVG - www.avg.com

> Versi??n: 2012.0.1869 / Base de datos de virus: 2092/4614 - Fecha de

publicaci??n: 11/13/11

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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4557. Re: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 09:46:31 UTC
From: Unit365
Topic: 4545 Message: 4557

Hi

Thanks Kees and all others for the comment.
Here, i've installed the extra fan, temps of the tubes are around 70 deg in long QSO. 40 in shorts.
Use most often around 500w so nothing suffering
Bought this amp just for autotune and because it's acom, not for the power.
Had a 1010 before and was so happy that i was obliged to have an automatic amp but only acom !

73
Olivier
F4FQH

-----Message d'origine-----
From: Kees - pa7two
Sent: Monday, November 14, 2011 10:32 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Re: Tube Life

I agree on this statement. As long as the two tubes do not differ much temperature wise (easy to check in an Acom 2000a) that is as close as one needs to go when it comes to the topic 'tube matching' for an Acom2000a. Sure, I can see the emails coming about the discussion what the maximum difference should be... Well, here we go: Would a 10-20 degrees Celsius difference between the tubes be 'matched' enough for an Acom 2000a?

A match of <5% is nice to have, easy to observe because both tubes show then the same temperature curves, sure. Personally, I would like a 'matched' tube pair too for my amps. But the question is : Is it needed in the Acom 2000a? Out of experience I can ventilate the following: Very very often if the tubes are from the exact same production batch, the match is more than close enough. (Read: ** Close **). Exceptions to the rule are apply of course.

About average tube life: Around 3500-5000 Hours (with again exceptions to this rule, less than 800 Hours and over 7200 Hours in example) is my experience. When it comes to the lower hours tubes, in general in all cases the amps were fully loaded with dust, filter never cleaned and often used (at or near full output) with RTTY mode. A proper loading and cooling the GU74B tubes seems to be essential for an happy tube and it's life span!

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: halken@...
Date: Sun, 13 Nov 2011 18:08:43 -0500
Subject: RE: [acom-list] Re: Tube Life

“Matched pair” is ridiculous. There is zero technical justification for

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These are high gain tetrodes in grid driven service with the gain set by

negative feedback in the cathodes. NOTHING like grounded-grid. I have

put the challenge out here before and nobody every responds – provide a

technical reason – along with maybe a little engineering math to justify

this folklore. There isn’t any. Plug in any two decent tubes and enjoy

your amplifier.

73,

Hal N4GG

MS, BSEE – 35 years RF design experience

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On

Behalf Of Roger

Sent: Sunday, November 13, 2011 4:15 PM

To: acom-list@yahoogroups.com

Subject: [acom-list] Re: Tube Life

Matched pair = pure fantasy

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,

"Fernando EC1CT" <ec1ct@...> wrote:

>

> Hi Olivier,

> One tube is a good idea for an Acom 1000. But assuming that your Acom

200 has 2 tubes inside, that tubes must be MATCHED PAIR...

> it means that they must be within similar specifications (as close one

to each other as possible). Vinecom in UK is selling them as MATCHED

PAIR and fully tested, just in case you need them. 73

> Fernando EC1CT // KD0IGJ

> E-Mail: ec1ct@...

> KR DX Group

>

>

>

> From: Unit365

> Sent: Sunday, November 13, 2011 7:27 PM

> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> Subject: Re: [acom-list] Tube Life

>

>

>

> hello

>

> Thanks everybody for your answers.

> I have one tube in stock , will buy another one even if i need them in

10 years...hehe

> This amp is fantastic !

> After 1010, this 2000 is nice too

>

> 73s

> Olivier

> F4FQH

>

> From: Hal Kennedy

> Sent: Sunday, November 13, 2011 2:39 PM

> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> Subject: [acom-list] Tube Life

>

> Hi Oliver.. I have approx 6000 hours on one and 3500 hours on another.

> The 6000 hour amp has had one tube replaced. Tom (sk) of Tom's tubes,

> used to say they were good for 3500 hours average, but I always

thought

> that number was too low. The 2000A has an excellent cooling system and

> that's part of the key to long life. It has excellent protection

> circuits too.

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> 73 Hal N4GG

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> [Non-text portions of this message have been removed]

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> No se encontraron virus en este mensaje.

> Comprobado por AVG - www.avg.com

> VersiÃ³n: 2012.0.1869 / Base de datos de virus: 2092/4614 - Fecha de

publicaciÃ³n: 11/13/11

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[Non-text portions of this message have been removed]

Yahoo! Groups Links

4558. Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 10:40:33 UTC
From: ** N8NOE **
Topic: 4533 Message: 4558

George;
Thanks, I'll be getting the 2000A in Tomorrow. the Icom IC-7700 is the Radio. I had a 20A/220V service in for the PW-1 I had in here, and the amp Stayed cool from an External fan that blew across the side of it and behind. I was told the 2000A had the 2 Fans/Blowers on the Top left Rear for the Tubes, and the one in rear was an option. But yes my Question was on the TOP of the 2000A the Cover itself.
Seems my Picture needs OK to be posted but you could see I want to set the AMP next to the Icom, but I use a TV sitting there as a Monitor for the Radio also...

Jeff-N8NOE

--- In acom-list@yahoogroups.com, georgek5kg@... wrote:
>
> Jeff,
>
> I'm not really sure what you are asking. The paragraph you have written
> is pretty jumbled up and I'm having difficulty trying to determine what you
> are really wanting to know.
>
> If you are referring to an Acom 2000A, there are no fans on top of it.
> There is one fan on the rear.
>
> You mention placing a TV/7700 on top of the amp. I don't know what a
> TV/7700 is, but I recommend that you do NOT place anything on top of the amp.
>
> You ask how warm/HOT does the top of the amp get. I have never taken a
> temperature reading, but mine gets hot enough that I wouldn't want to place
> my hand over the tube vents.
>
> In my case, my amp sits behind my operating desk. It sits on a wooden
> platform that I built with four 2" wheels. The amp sits about 4" above the
> floor. With the platform on wheels, I can scoot the amp around easily when I
> need to move it. The control head sits up on my operating desk.
>
> What do you have in terms of 220 vac service for the amp?
>
> 73, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> N8NOE@... writes:

>
> This may be Kinda Dumb, But will effect the Placing on my Amp on Tuesday.
> HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top,
> But I'm thinking of sitting it on the bench next to the radio (Think I
> Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it on the
> Bench the TV/7700 Monitor would sit on top of it...
>
> Jeff-N8NOE
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4559. Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 10:42:18 UTC
From: ** N8NOE **
Topic: 4533 Message: 4559

Jim;
Can you put your Hand on the Cover of the 2000A when using it?..
Does it get warmer than that?..
NOT sure how to ask the question..

Jeff-N8NOE

--- In acom-list@yahoogroups.com, Jim <pywacker@...> wrote:
>
> Actually it has a blower inside the Amp
> near the Tubes. If it has the optional fan it is on the rear right side. All have a filter on the right rear but may not have the optional fan.
>
> KE4WY Jim
>
> Sent from my Ipod
>
>
>
> On Nov 13, 2011, at 11:21 PM, georgek5kg@... wrote:
>
> > Jeff,
> >
> > I'm not really sure what you are asking. The paragraph you have written
> > is pretty jumbled up and I'm having difficulty trying to determine what you
> > are really wanting to know.
> >
> > If you are referring to an Acom 2000A, there are no fans on top of it.
> > There is one fan on the rear.
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> > You mention placing a TV/7700 on top of the amp. I don't know what a
> > TV/7700 is, but I recommend that you do NOT place anything on top of the amp.
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> > You ask how warm/HOT does the top of the amp get. I have never taken a
> > temperature reading, but mine gets hot enough that I wouldn't want to place
> > my hand over the tube vents.
> >
> > In my case, my amp sits behind my operating desk. It sits on a wooden
> > platform that I built with four 2" wheels. The amp sits about 4" above the
> > floor. With the platform on wheels, I can scoot the amp around easily when I
> > need to move it. The control head sits up on my operating desk.
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> > What do you have in terms of 220 vac service for the amp?
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> > 73, George

> >
> > George Wagner, K5KG
> > Sarasota, FL
> > 941-400-1960 cell
> >
> >
> > In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> > N8NOE@... writes:
> >
> > This may be Kinda Dumb, But will effect the Placing on my Amp on Tuesday.
> > HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top,
> > But I'm thinking of sitting it on the bench next to the radio (Think I
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> >
> > Jeff-N8NOE
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4560. Re: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 11:26:45 UTC
From: Barry N1EU
Topic: 4533 Message: 4560

The top cover doesn't get hot Jeff. Just be sure to not block the openings over the tubes.

Barry N1EU

On Mon, Nov 14, 2011 at 10:42 AM, ** N8NOE ** <N8NOE@...> wrote:

> **
>
>
> Jim;
> Can you put your Hand on the Cover of the 2000A when using it?..
> Does it get warmer than that?..
> NOT sure how to ask the question..
>
> Jeff-N8NOE
>
>
> --- In acom-list@yahoogroups.com, Jim <pywacker@...> wrote:
> >
> > Actually it has a blower inside the Amp
> > near the Tubes. If it has the optional fan it is on the rear right side.
> All have a filter on the right rear but may not have the optional fan.
> >
> > KE4WY Jim
> >
> > Sent from my Ipod
> >
> >
> >
> > On Nov 13, 2011, at 11:21 PM, georgek5kg@... wrote:
> >
> > > Jeff,
> > >
> > > I'm not really sure what you are asking. The paragraph you have
> written
> > > is pretty jumbled up and I'm having difficulty trying to determine
> what you
> > > are really wanting to know.
> > >
> > > If you are referring to an Acom 2000A, there are no fans on top of it.
> > > There is one fan on the rear.
> > >
> > > You mention placing a TV/7700 on top of the amp. I don't know what a
> > > TV/7700 is, but I recommend that you do NOT place anything on top of
> the amp.

> > >
> > > You ask how warm/HOT does the top of the amp get. I have never taken a
> > > temperature reading, but mine gets hot enough that I wouldn't want to
> place
> > > my hand over the tube vents.
> > >
> > > In my case, my amp sits behind my operating desk. It sits on a wooden
> > > platform that I built with four 2" wheels. The amp sits about 4" above
> the
> > > floor. With the platform on wheels, I can scoot the amp around easily
> when I
> > > need to move it. The control head sits up on my operating desk.
> > >
> > > What do you have in terms of 220 vac service for the amp?
> > >
> > > 73, George
> > >
> > > George Wagner, K5KG
> > > Sarasota, FL
> > > 941-400-1960 cell
> > >
> > >
> > > In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> > > N8NOE@... writes:
> > >
> > > This may be Kinda Dumb, But will effect the Placing on my Amp on
> Tuesday.
> > > HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on
> top,
> > > But I'm thinking of sitting it on the bench next to the radio (Think I
> > > Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it
> on the
> > > Bench the TV/7700 Monitor would sit on top of it...
> > >
> > > Jeff-N8NOE
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[Non-text portions of this message have been removed]

4561. Re: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 12:26:50 UTC
From: k3pp@k3pp.com
Topic: 4533 Message: 4561

Hi Jeff,

You definitely DO NOT want to obstruct the air flow from the tube chimneys, so don't EVER put anything atop those vents. Likewise with the rear of the unit, where it sucks in the cool air.

That said, there's still a fair amount of real estate atop the unit where it seems to be OK to put things. I don't know if there's a "x number of inches away from the chimneys" rule, but if you're other gadgets are 4 or more inches from the chimneys, you should be OK.

The exhaust air gets pretty hot. The cabinet gets warm, but nothing to be concerned about. If your hot air from the tubes is free to blow high in the room, you should be fine.

GL ES VY 73 de Glenn K3PP
Sent via BlackBerry by AT&T

-----Original Message-----
From: "** N8NOE **" <N8NOE@...>
Sender: acom-list@yahoogroups.com
Date: Mon, 14 Nov 2011 03:40:01
To: <acom-list@yahoogroups.com>
Reply-To: acom-list@yahoogroups.com
Subject: [acom-list] Re: operating time

This may be Kinda Dumb, But will effect the Placing on my Amp on Tuesday.
HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top, But I'm thinking of sitting it on the bench next to the radio (Think I Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it on the Bench the TV/7700 Monitor would sit on top of it...

Jeff-N8NOE

[Non-text portions of this message have been removed]

4562. Re: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 13:35:08 UTC
From: Barry N1EU
Topic: 4545 Message: 4562

On Mon, Nov 14, 2011 at 4:32 AM, Kees - pa7two <pa7two@...> wrote:
>
> I agree on this statement. As long as the two tubes do not differ much temperature wise (easy to check in an Acom 2000a) that is as close as one needs to go when it comes to the topic 'tube matching' for an Acom2000a. Sure, I can see the emails coming about the discussion what the maximum difference should be... Well, here we go: Would a 10-20 degrees Celsius difference between the tubes be 'matched' enough for an Acom 2000a?

Stan from Acom Bulgaria characterized the tube match as follows:

>12 degrees C temperature difference and you need to find a replacement or work at reduced power
10-12 degrees C difference is the maximum that is okay
4-8 degrees C difference is a proper match
<=6 degrees C difference is an excellent match

FYI, this information is all contained in the document "Tube Tips" in the files section under troubleshooting tips. Please people - upload any diagnostic help info you receive from Bulgaria and add to this folder.

73,
Barry N1EU

4563. Re: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 14:49:51 UTC
From: georgek5kg@aol.com
Topic: 4533 Message: 4563

Hi Jeff,

Yes, a photo would help. When you get your amp set up, pse send me a photo.

Just to clarify, the fan on the rear of the amp is standard. Since I do not have the optional fan, I don't know where it would be located. In my case, I run my 2000A hard in cw and phone contests, and never provide any cooling other than the stock fan that is in the amp. I do not run RTTY, so that may require additional cooling, but I don't really know.

Your 220 vac service for your PW-1 should be plenty adequate.

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/14/2011 5:40:51 A.M. Eastern Standard Time, N8NOE@... writes:

George;
Thanks, I'll be getting the 2000A in Tomorrow. the Icom IC-7700 is the Radio. I had a 20A/220V service in for the PW-1 I had in here, and the amp Stayed cool from an External fan that blew across the side of it and behind. I was told the 2000A had the 2 Fans/Blowers on the Top left Rear for the Tubes, and the one in rear was an option. But yes my Question was on the TOP of the 2000A the Cover itself.
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Jeff-N8NOE

--- In acom-list@yahoogroups.com, georgek5kg@... wrote:
>
> Jeff,
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> I'm not really sure what you are asking. The paragraph you have written
> is pretty jumbled up and I'm having difficulty trying to determine what you
> are really wanting to know.
>
> If you are referring to an Acom 2000A, there are no fans on top of it.

> There is one fan on the rear.
>

> You mention placing a TV/7700 on top of the amp. I don't know what a
> TV/7700 is, but I recommend that you do NOT place anything on top of the
amp.
>
> You ask how warm/HOT does the top of the amp get. I have never taken a
> temperature reading, but mine gets hot enough that I wouldn't want to
place
> my hand over the tube vents.
>
> In my case, my amp sits behind my operating desk. It sits on a wooden
> platform that I built with four 2" wheels. The amp sits about 4" above
the
> floor. With the platform on wheels, I can scoot the amp around easily
when I
> need to move it. The control head sits up on my operating desk.
>
> What do you have in terms of 220 vac service for the amp?
>
> 73, George
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> N8NOE@... writes:
>
> This may be Kinda Dumb, But will effect the Placing on my Amp on
Tuesday.
> HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top,
> But I'm thinking of sitting it on the bench next to the radio (Think I
> Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it
on the
> Bench the TV/7700 Monitor would sit on top of it...
>
> Jeff-N8NOE
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> Yahoo! Groups Links
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Yahoo! Groups Links

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4564. Re: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 14:52:53 UTC
From: georgek5kg@aol.com
Topic: 4533 Message: 4564

Yes, you can put your hand on the cover and, no, it does not get warmer
than that. The hot spot is over the tubes.

Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/14/2011 5:42:21 A.M. Eastern Standard Time,
N8NOE@... writes:

Jim;
Can you put your Hand on the Cover of the 2000A when using it?..
Does it get warmer than that?..
NOT sure how to ask the question..

Jeff-N8NOE

--- In acom-list@yahoogroups.com, Jim <pywacker@...> wrote:
>
> Actually it has a blower inside the Amp
> near the Tubes. If it has the optional fan it is on the rear right side.
All have a filter on the right rear but may not have the optional fan.
>
> KE4WY Jim
>
> Sent from my Ipod
>
>
>
> On Nov 13, 2011, at 11:21 PM, georgek5kg@... wrote:
>
> > Jeff,
> >
> > I'm not really sure what you are asking. The paragraph you have
written
> > is pretty jumbled up and I'm having difficulty trying to determine
what you
> > are really wanting to know.
> >
> > If you are referring to an Acom 2000A, there are no fans on top of
it.
> > There is one fan on the rear.
> >
> > You mention placing a TV/7700 on top of the amp. I don't know what a

> > TV/7700 is, but I recommend that you do NOT place anything on top of
the amp.
> >
> > You ask how warm/HOT does the top of the amp get. I have never taken
a
> > temperature reading, but mine gets hot enough that I wouldn't want to
place
> > my hand over the tube vents.
> >
> > In my case, my amp sits behind my operating desk. It sits on a
wooden
> > platform that I built with four 2" wheels. The amp sits about 4"
above the
> > floor. With the platform on wheels, I can scoot the amp around
easily when I
> > need to move it. The control head sits up on my operating desk.
> >
> > What do you have in terms of 220 vac service for the amp?
> >
> > 73, George
> >
> > George Wagner, K5KG
> > Sarasota, FL
> > 941-400-1960 cell
> >
> >
> > In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> > N8NOE@... writes:
> >
> > This may be Kinda Dumb, But will effect the Placing on my Amp on
Tuesday.
> > HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on
top,
> > But I'm thinking of sitting it on the bench next to the radio (Think
I
> > Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it
on the
> > Bench the TV/7700 Monitor would sit on top of it...
> >
> > Jeff-N8NOE
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> > Yahoo! Groups Links
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4565. RE: [acom-list] Re: operating time

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 15:00:37 UTC
From: Jim
Topic: 4533 Message: 4565

The optional fan is located right rear. If you have one mounted on the right rear back panel you indeed have the optional fan.
Standard is a blower located inside the Amp near the tubes.

73 de KE4WY Jim

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of georgek5kg@...
Sent: Monday, November 14, 2011 9:50 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: operating time

Hi Jeff,

Yes, a photo would help. When you get your amp set up, pse send me a photo.

Just to clarify, the fan on the rear of the amp is standard. Since I do not have the optional fan, I don't know where it would be located. In my case, I run my 2000A hard in cw and phone contests, and never provide any cooling other than the stock fan that is in the amp. I do not run RTTY, so that may require additional cooling, but I don't really know.

Your 220 vac service for your PW-1 should be plenty adequate.

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/14/2011 5:40:51 A.M. Eastern Standard Time, N8NOE@... writes:

George;
Thanks, I'll be getting the 2000A in Tomorrow. the Icom IC-7700 is the Radio. I had a 20A/220V service in for the PW-1 I had in here, and the amp Stayed cool from an External fan that blew across the side of it and behind. I was told the 2000A had the 2 Fans/Blowers on the Top left Rear for the Tubes, and the one in rear was an option. But yes my Question was on the TOP of the 2000A the Cover itself.
Seems my Picture needs OK to be posted but you could see I want to set the AMP next to the Icom, but I use a TV sitting there as a Monitor for the Radio also...

Jeff-N8NOE

--- In acom-list@yahoogroups.com, georgek5kg@... wrote:
>
> Jeff,

>
> I'm not really sure what you are asking. The paragraph you have
written
> is pretty jumbled up and I'm having difficulty trying to determine
> what
you
> are really wanting to know.
>
> If you are referring to an Acom 2000A, there are no fans on top of it.

> There is one fan on the rear.
>
> You mention placing a TV/7700 on top of the amp. I don't know what a
> TV/7700 is, but I recommend that you do NOT place anything on top of
> the
amp.
>
> You ask how warm/HOT does the top of the amp get. I have never taken
> a temperature reading, but mine gets hot enough that I wouldn't want
> to
place
> my hand over the tube vents.
>
> In my case, my amp sits behind my operating desk. It sits on a
> wooden platform that I built with four 2" wheels. The amp sits
> about 4" above
the
> floor. With the platform on wheels, I can scoot the amp around
> easily
when I
> need to move it. The control head sits up on my operating desk.
>
> What do you have in terms of 220 vac service for the amp?
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> 73, George
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>
> In a message dated 11/13/2011 10:40:19 P.M. Eastern Standard Time,
> N8NOE@... writes:
>
> This may be Kinda Dumb, But will effect the Placing on my Amp on
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> HOW warm/Hot does the Top of the Amp Get? I know the 2 Fans are on top,
> But I'm thinking of sitting it on the bench next to the radio (Think I
> Uploaded a Picture of the Shack in Photo section (N8NOE). If I Sit it
on the

> Bench the TV/7700 Monitor would sit on top of it...
>
> Jeff-N8NOE
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Yahoo! Groups Links

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Yahoo! Groups Links

_____ Information from ESET Smart Security, version of virus signature database 6628 (20111114) _____

The message was checked by ESET Smart Security.

http://www.eset.com

4566. RE: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 15:07:16 UTC
From: Kees - pa7two
Topic: 4545 Message: 4566

Now comes the real question: What would be the real percentage of the mismatch when it comes to let say 12 degrees Celsius difference between two tubes?

Lets put a value here = 25% mismatch? (extreme)

Anyone?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: barry.n1eu@...
Date: Mon, 14 Nov 2011 08:35:08 -0500
Subject: Re: [acom-list] Re: Tube Life

On Mon, Nov 14, 2011 at 4:32 AM, Kees - pa7two <pa7two@...> wrote:

>

> I agree on this statement. As long as the two tubes do not differ much temperature wise (easy to check in an Acom 2000a) that is as close as one needs to go when it comes to the topic 'tube matching' for an Acom2000a. Sure, I can see the emails coming about the discussion what the maximum difference should be... Well, here we go: Would a 10-20 degrees Celsius difference between the tubes be 'matched' enough for an Acom 2000a?

Stan from Acom Bulgaria characterized the tube match as follows:

>12 degrees C temperature difference and you need to find a replacement or work at reduced power

10-12 degrees C difference is the maximum that is okay

4-8 degrees C difference is a proper match

<=6 degrees C difference is an excellent match

FYI, this information is all contained in the document "Tube Tips" in

the files section under troubleshooting tips. Please people - upload

any diagnostic help info you receive from Bulgaria and add to this

folder.

73,

Barry N1EU

[Non-text portions of this message have been removed]

4567. RE: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 15:38:04 UTC
From: Hal Kennedy
Topic: 4545 Message: 4567

Ill answer Kees, if we can clarify the question. By "12 C difference between the two tubes" do you mean 12 C in exhaust temp, or 12 C in tube temp? If the difference in exit air is 12 C, the difference in tube envelop temp is greater than 12 C. At what operating conditions shall we do the analysis?

What is the definition of mismatch? Difference between the percent of load each tube is carrying?

The answer lies in the question!

73 Hal N4GG

Now comes the real question: What would be the real percentage of the mismatch when it comes to let say 12 degrees Celsius difference between two tubes?

Lets put a value here = 25% mismatch? (extreme)

Anyone?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: barry.n1eu@...
Date: Mon, 14 Nov 2011 08:35:08 -0500
Subject: Re: [acom-list] Re: Tube Life

On Mon, Nov 14, 2011 at 4:32 AM, Kees - pa7two
<pa7two@...> wrote:

>

> I agree on this statement. As long as the two tubes do not differ much temperature wise (easy to check in an Acom 2000a) that is as close as one needs to go when it comes to the topic 'tube matching' for an Acom2000a. Sure, I can see the emails coming about the discussion what the maximum difference should be... Well, here we go: Would a 10-20 degrees Celsius difference between the tubes be 'matched' enough for an Acom 2000a?

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<=6 degrees C difference is an excellent match

FYI, this information is all contained in the document "Tube Tips" in

the files section under troubleshooting tips. Please people - upload

any diagnostic help info you receive from Bulgaria and add to this

folder.

73,

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4568. RE: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 16:00:47 UTC
From: Kees - pa7two
Topic: 4545 Message: 4568

Hi Hal,

I assume 12 degrees Celsius difference a-la the method the Acom 2000a amps measures the temperature, and that is most likely the exhaust temperature.

I am curious what the answer will be. Would like to know for (all in degrees Celsius):

>12
<10
4<>8
<6

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: halken@...
Date: Mon, 14 Nov 2011 10:38:04 -0500
Subject: RE: [acom-list] Re: Tube Life

Ill answer Kees, if we can clarify the question. By "12 C difference

between the two tubes" do you mean 12 C in exhaust temp, or 12 C in tube

temp? If the difference in exit air is 12 C, the difference in tube

envelop temp is greater than 12 C. At what operating conditions shall

we do the analysis?

What is the definition of mismatch? Difference between the percent of

load each tube is carrying?

The answer lies in the question!

73 Hal N4GG

Now comes the real question: What would be the real percentage of the

mismatch when it comes to let say 12 degrees Celsius difference between

two tubes?

Lets put a value here = 25% mismatch? (extreme)

Anyone?

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: barry.n1eu@...

Date: Mon, 14 Nov 2011 08:35:08 -0500

Subject: Re: [acom-list] Re: Tube Life

On Mon, Nov 14, 2011 at 4:32 AM, Kees - pa7two

<pa7two@...> wrote:

>

> I agree on this statement. As long as the two tubes do not differ much

temperature wise (easy to check in an Acom 2000a) that is as close as

one needs to go when it comes to the topic 'tube matching' for an

Acom2000a. Sure, I can see the emails coming about the discussion what

the maximum difference should be... Well, here we go: Would a 10-20

degrees Celsius difference between the tubes be 'matched' enough for an

Acom 2000a?

Stan from Acom Bulgaria characterized the tube match as follows:

>12 degrees C temperature difference and you need to find a replacement

or work at reduced power

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4-8 degrees C difference is a proper match

<=6 degrees C difference is an excellent match

FYI, this information is all contained in the document "Tube Tips" in

the files section under troubleshooting tips. Please people - upload

any diagnostic help info you receive from Bulgaria and add to this

folder.

73,

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4569. RE: [acom-list] Re: Tube Life

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-14 16:12:34 UTC
From: Kees - pa7two
Topic: 4545 Message: 4569

Hi Hal,

Forgot to mention in my previous reply, but let's stick to the temperature difference between tubes and take it from there. This because Acom refers to this way of measuring the "match".

Definition of mismatch, let's take the method that comes the closed to the 25% I gave as an example ha ha. Now without joking (...) yeah, the difference between the percent of load between each tube is a good start-point unless you have other thoughts on the matter?

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: halken@...
Date: Mon, 14 Nov 2011 10:38:04 -0500
Subject: RE: [acom-list] Re: Tube Life

Ill answer Kees, if we can clarify the question. By "12 C difference

between the two tubes" do you mean 12 C in exhaust temp, or 12 C in tube

temp? If the difference in exit air is 12 C, the difference in tube

envelop temp is greater than 12 C. At what operating conditions shall

we do the analysis?

What is the definition of mismatch? Difference between the percent of

load each tube is carrying?

The answer lies in the question!

73 Hal N4GG

Now comes the real question: What would be the real percentage of the

mismatch when it comes to let say 12 degrees Celsius difference between

two tubes?

Lets put a value here = 25% mismatch? (extreme)

Anyone?

Vy 73, de Kees.

AmateurRadio : PA7TWO

- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com

From: barry.n1eu@...

Date: Mon, 14 Nov 2011 08:35:08 -0500

Subject: Re: [acom-list] Re: Tube Life

On Mon, Nov 14, 2011 at 4:32 AM, Kees - pa7two

<pa7two@...> wrote:

>

> I agree on this statement. As long as the two tubes do not differ much

temperature wise (easy to check in an Acom 2000a) that is as close as

one needs to go when it comes to the topic 'tube matching' for an

Acom2000a. Sure, I can see the emails coming about the discussion what

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Acom 2000a?

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or work at reduced power

10-12 degrees C difference is the maximum that is okay

4-8 degrees C difference is a proper match

<=6 degrees C difference is an excellent match

FYI, this information is all contained in the document "Tube Tips" in

the files section under troubleshooting tips. Please people - upload

any diagnostic help info you receive from Bulgaria and add to this

folder.

73,

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4570. Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-16 11:38:10 UTC
From: ** N8NOE **
Topic: 4570 Message: 4570

I got the 2000A in yesterday and had enough time to Power it and poke around some.
HOW do you go to ByPass the AMP, as I'd like to be able to use the 200W from the Radio?..
Think I still need to understand the Aut/Man Tuning, but reading will help. Seems my 20m
Leg of the Dipole isn't a good as I'd like either..

THANKS!..
Jeff-N8NOE

4571. RE: [acom-list] Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-16 12:06:18 UTC
From: Bob Naumann
Topic: 4570 Message: 4571

Jeff,

The amp will trip out at 200w as that exceeds the allowable input level.

If the amp is turned on and you want to run less than 1500 w output, turn down the drive from your radio and run less power output from the amplifier.

There is no reason to run 200w out of your radio when you can do so effortlessly from your amplifier.

If you don't want to use the amplifier, turn it completely off.

Don't mess with the aux/man tuning for a while. Just use the amplifier at its default tuning settings until you get used to it.

As long as your SWR is fairly good, you should have no trouble with using the default tuning of the amplifier. Watch the reflected power and reduce the drive from your radio to keep the reflected power down.

If your SWR is not good, you should put the time and effort into resolving the poor SWR as the results will pay greater dividends over time.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ** N8NOE **
Sent: Wednesday, November 16, 2011 5:38 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Question: ByPass ?....

I got the 2000A in yesterday and had enough time to Power it and poke around some.
HOW do you go to ByPass the AMP, as I'd like to be able to use the 200W from the Radio?..
Think I still need to understand the Aut/Man Tuning, but reading will help.
Seems my 20m Leg of the Dipole isn't a good as I'd like either..

THANKS!..
Jeff-N8NOE

Yahoo! Groups Links

4572. Re: [acom-list] Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-16 12:08:04 UTC
From: Barry N1EU
Topic: 4570 Message: 4572

On Wed, Nov 16, 2011 at 6:38 AM, ** N8NOE ** <N8NOE@...> wrote:

> **
>
>
> HOW do you go to ByPass the AMP, as I'd like to be able to use the 200W
> from the Radio?..
>
Standby? (as opposed to "Operate")

Yes, reading WILL help.

73, Barry N1EU

[Non-text portions of this message have been removed]

4573. Re: [acom-list] Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-16 14:06:40 UTC
From: Jim Idelson
Topic: 4570 Message: 4573

Actually, if I recall correctly . . . the amp will complain when in Standby mode and trying to run 200w from the radio through to the antenna. As Bob says, I believe it won't complain if the power is completely turned off (at the RCU - you don't have to turn off the main power switch on the amp chassis). Someone please confirm.

On 11/16/2011 7:08 AM, Barry N1EU wrote:
> Standby? (as opposed to "Operate")
--
73,

Jim K1IR

4574. Re: [acom-list] Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-16 21:49:25 UTC
From: Val
Topic: 4570 Message: 4574

No, 200 watts are OK in standby mode. Actually, the RF path is the same in standby and in power off.

73, Val LZ1VB

> Actually, if I recall correctly . . . the amp will complain when in
> Standby mode and trying to run 200w from the radio through to the
> antenna. As Bob says, I believe it won't complain if the power is
> completely turned off (at the RCU - you don't have to turn off the main
> power switch on the amp chassis). Someone please confirm.
>
> On 11/16/2011 7:08 AM, Barry N1EU wrote:
>> Standby? (as opposed to "Operate")
> --
> 73,
>
> Jim K1IR
>
>
>
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> Yahoo! Groups Links
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4575. Re: Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-17 11:46:19 UTC
From: ** N8NOE **
Topic: 4570 Message: 4575

Thanks Bob..
I will need to add/cut my 20 meter leg, SWR was not as good as I'd thought, But the rest seem fine.
Come Spring time, I'll run some New feedline to the Dipole.
What is there ahs been used for 5-6Years now, and just needs replaced..
Jeff-N8NOE

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> Jeff,
>
> The amp will trip out at 200w as that exceeds the allowable input level.
>
> If the amp is turned on and you want to run less than 1500 w output, turn
> down the drive from your radio and run less power output from the amplifier.
>
> There is no reason to run 200w out of your radio when you can do so
> effortlessly from your amplifier.
>
> If you don't want to use the amplifier, turn it completely off.
>
> Don't mess with the aux/man tuning for a while. Just use the amplifier at
> its default tuning settings until you get used to it.
>
> As long as your SWR is fairly good, you should have no trouble with using
> the default tuning of the amplifier. Watch the reflected power and reduce
> the drive from your radio to keep the reflected power down.
>
> If your SWR is not good, you should put the time and effort into resolving
> the poor SWR as the results will pay greater dividends over time.
>
> 73,
>
> Bob W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of ** N8NOE **
> Sent: Wednesday, November 16, 2011 5:38 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Question: ByPass ?....
>
> I got the 2000A in yesterday and had enough time to Power it and poke around
> some.
> HOW do you go to ByPass the AMP, as I'd like to be able to use the 200W from

> the Radio?..
> Think I still need to understand the Aut/Man Tuning, but reading will help.
> Seems my 20m Leg of the Dipole isn't a good as I'd like either..
>
> THANKS!..
> Jeff-N8NOE
>
>
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> Yahoo! Groups Links
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4576. Re: Question: ByPass ?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-17 11:51:40 UTC
From: ** N8NOE **
Topic: 4570 Message: 4576

QSL, this I Guess would have been a Little Better Way to ask the Question..
I'm Taking today off, and expecting the PowerStation meter in the Brown Truck today. Need to get that in-line and Read/Re-Read the manual more.
My First 3 QSO's on the AMP were remarkable!.
First was a Friend in Austin that knows my Voice and can compare it over time, Was told it could not have been better. Second was a guy Listening in the Delta Region of LA. Chimed in and watching his scope commented on the Clean signal. 3rd, was with T2T on 15 RTTY.
IT all is playing very nice here so far..
THANKS ALL for tips and help. Menus, Settings, This button, that button.. Does get a bit confusing at times..
Jeff-N8NOE

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> No, 200 watts are OK in standby mode. Actually, the RF path is the same in
> standby and in power off.
>
> 73, Val LZ1VB
>
>
> > Actually, if I recall correctly . . . the amp will complain when in
> > Standby mode and trying to run 200w from the radio through to the
> > antenna. As Bob says, I believe it won't complain if the power is
> > completely turned off (at the RCU - you don't have to turn off the main
> > power switch on the amp chassis). Someone please confirm.
> >
> > On 11/16/2011 7:08 AM, Barry N1EU wrote:
> >> Standby? (as opposed to "Operate")
> > --
> > 73,
> >
> > Jim K1IR
> >
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> > ------------------------------------
> >
> > Yahoo! Groups Links
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4577. Antenna Question for 2000A..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-18 11:34:48 UTC
From: ** N8NOE **
Topic: 4577 Message: 4577

Hey All, Seems like I got a Ton of Questions, but this is the place to ask.. It looks like the ACOM 2000A can memorize Antennas, But there is only ONE Port? Is there a Switch that matches this or am I missing Something?..
I got the PowerMaster II in yesterday, and What a Match they make also.
All these New Toys and Christmas in November!... The Icom IC-7700 Works Well with all.. NOT to sure I could be Happier!..
THANKS..
Jeff-N8NOE

4578. Re: [acom-list] Antenna Question for 2000A..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-18 11:57:14 UTC
From: Barry N1EU
Topic: 4577 Message: 4578

Yes, the Acom 2000S/2000SW antenna switch works in tandem with the 2000A.

Barry N1EU

On Fri, Nov 18, 2011 at 6:34 AM, ** N8NOE ** <N8NOE@...> wrote:

> **
>
>
> Hey All, Seems like I got a Ton of Questions, but this is the place to
> ask.. It looks like the ACOM 2000A can memorize Antennas, But there is only
> ONE Port? Is there a Switch that matches this or am I missing Something?..
> I got the PowerMaster II in yesterday, and What a Match they make also.
> All these New Toys and Christmas in November!... The Icom IC-7700 Works
> Well with all.. NOT to sure I could be Happier!..
> THANKS..
> Jeff-N8NOE
>
>
>

[Non-text portions of this message have been removed]

4579. RE: [acom-list] Antenna Question for 2000A..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-17 14:34:45 UTC
From: Callum McC
Topic: 4577 Message: 4579

Because antennas have different loading characteristics, you can teach the amp which antenna you are on by switching "virtual" antennas. On a contest station for instance, you may have three of four different antennas for the same band. Changing from a low dipole to say a high dipole on 80m means that you should tune the amp again, but not the Acom. You teach the amp0lifier which antenna to tune for and re-select the antenna with in operation. I forget the sequence, I am away from the 2000 right now.

I believe the antenna switch will allow you to do this automatically; change antennas *and* change the amplifier tuning.

(I have probably used too many words for this description, I apologise but I currently have "man-flu" illness, hence the confusion!).

Callum

M0MCX

[Non-text portions of this message have been removed]

4580. Re: [acom-list] Antenna Question for 2000A..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-18 15:25:45 UTC
From: Brian Alsop
Topic: 4577 Message: 4580

I never had luck in the early days of the 2000A being able to select a
second antenna (via some signal external to the 2000). Wanted the
equivalent of an A/B switch for a single band. Switching in the antenna
via the manual switch was easy, getting the ACOM to follow by switching
to another antenna and use new tunings was not possible.
(Not talking about using the high priced ACOM antenna switch)

Perhaps this is possible today with a program, it wasn't (within
WINDOWS) back then.

73 de Brian/K3KO

On 11/17/2011 14:34, Callum McC wrote:
>
>
> Because antennas have different loading characteristics, you can teach the
> amp which antenna you are on by switching "virtual" antennas. On a contest
> station for instance, you may have three of four different antennas for the
> same band. Changing from a low dipole to say a high dipole on 80m means that
> you should tune the amp again, but not the Acom. You teach the amp0lifier
> which antenna to tune for and re-select the antenna with in operation. I
> forget the sequence, I am away from the 2000 right now.
>
> I believe the antenna switch will allow you to do this automatically; change
> antennas *and* change the amplifier tuning.
>
> (I have probably used too many words for this description, I apologise but I
> currently have "man-flu" illness, hence the confusion!).
>
> Callum
>
> M0MCX
>
> [Non-text portions of this message have been removed]
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> --
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1411 / Virus Database: 2092/4024 - Release Date: 11/18/11
>

No virus found in this message.
Checked by AVG - www.avg.com

Version: 10.0.1411 / Virus Database: 2092/4024 - Release Date: 11/18/11

4581. RE: [acom-list] Antenna Question for 2000A..

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-18 16:38:16 UTC
From: Máximo EA1DDO_HK1H
Topic: 4577 Message: 4581

Hi Jeff,

It is te Acom 2000S/SW;

http://www.acom-bg.com/index.php?option=com_content&view=article&id=99&Itemid=117

73, M?ximo - EA1DDO

To: acom-list@yahoogroups.com
From: N8NOE@...
Date: Fri, 18 Nov 2011 11:34:48 +0000
Subject: [acom-list] Antenna Question for 2000A..

Hey All, Seems like I got a Ton of Questions, but this is the place to ask.. It looks like the ACOM 2000A can memorize Antennas, But there is only ONE Port? Is there a Switch that matches this or am I missing Something?..

I got the PowerMaster II in yesterday, and What a Match they make also.

All these New Toys and Christmas in November!... The Icom IC-7700 Works Well with all.. NOT to sure I could be Happier!..

THANKS..

Jeff-N8NOE

[Non-text portions of this message have been removed]

4582. Acom Director setup help?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 00:20:35 UTC
From: Bruce
Topic: 4582 Message: 4582

Hi,
I am trying to control my 2000a with Acom Director and I am struggling. I am using a boot camped Mac Pro with Windows 7 32 bit. I am also using an RT-Systems usb serial converter to connect the Acom RPON module to the computer. The software will turn the amp on and it will read the information shown in the remote but nothing else is working. No error messages but no control, I cannot shut the amp off, I cannot switch from standby to operate etc. Anyone have any thoughts on where I should begin? Perhaps the settings that I need for the port would be a good place to start?
Thanks,
Bruce AB1KC

4583. Re: Acom Director setup help?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 02:57:14 UTC
From: ** N8NOE **
Topic: 4582 Message: 4583

Bruce;
New Guy Here but a Fellow Mac User.. If your able to see and Get information from the Software (I just looked it up, Nice Looking and may try it) your USB port settings are or Should be Fine. I'd see NO reason that would be an issue. Myself Use VMWare, and Parallels at work, and can control a Lot that way, and once you get the port to see, you should be fine.. NOT a lot of help, But would be nice is some would understand there are a lot of MAC users out here also..
GL,73
Jeff-N8NOE

--- In acom-list@yahoogroups.com, "Bruce" <b.beard62@...> wrote:
>
> Hi,
> I am trying to control my 2000a with Acom Director and I am struggling. I am using a boot camped Mac Pro with Windows 7 32 bit. I am also using an RT-Systems usb serial converter to connect the Acom RPON module to the computer. The software will turn the amp on and it will read the information shown in the remote but nothing else is working. No error messages but no control, I cannot shut the amp off, I cannot switch from standby to operate etc. Anyone have any thoughts on where I should begin? Perhaps the settings that I need for the port would be a good place to start?
> Thanks,
> Bruce AB1KC
>

4584. Palstar HF-Auto & ACOM 2000A?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 03:02:28 UTC
From: ** N8NOE **
Topic: 4584 Message: 4584

Anyone Using the Palstar HF-Auto and the 2000A?..
Any Thoughts?

I'm looking into the Idea of an Auto Tuner as to give more Bandwidth and help the Poor Little Dipole (Doublet) out here.
Looks like the Newer Version can handle 2500w, and has done away with the Need for CI-V Cables?

Jeff-N8NOE

4585. Re: [acom-list] Palstar HF-Auto & ACOM 2000A?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 07:38:42 UTC
From: Hans Remeeus
Topic: 4584 Message: 4585

Hello Jeff,

The Palstar HF Auto Tuner is for coax. Coax is 50 Ohm; you cannot change that. I don't find full specs on the site of Palstar, but I assume the HF Auto Tuner handles impedances between 15 and 250 Ohm. Such tuners are nice to use when you have tuned antennas with little bandwidth.

When you want much more bandwidth with your dipole the only right way to go is open feederline and a symmetrical tuner (all balanced).

E.g. the PA0LL LL-Tuner (IMHO the best symmetrical - fully balanced - tuner in the world) easily handles impedances between several Ohms and several kiloOhms (!) and easily handles a few kiloWatt output power. For test purposes I tried full power from my Acom 2000A and the double-L LL-Tuner handles this with any problem. With only one dipole (or better: loop) you are able to tune between 1.5 and 30 (perhaps 60) MHz...

Nice weekend and 73!

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-11-2011 4:02, ** N8NOE ** schreef:
> Anyone Using the Palstar HF-Auto and the 2000A?..
> Any Thoughts?
>
> I'm looking into the Idea of an Auto Tuner as to give more Bandwidth and help the Poor Little Dipole (Doublet) out here.
> Looks like the Newer Version can handle 2500w, and has done away with the Need for CI-V Cables?
>
> Jeff-N8NOE
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4586. Re: [acom-list] Palstar HF-Auto & ACOM 2000A?..../Hans

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 08:15:26 UTC
From: paim
Topic: 4584 Message: 4586

hello Hans
good to see you on this reflector i hope you and you family doing good .
please look on this link you may know this nice amp antenna tuner he do
http://www.dc9dz.de/en/15kwkoppler.html
vy 73 elan g0uut/dl9fcc

E.P

--- On Sat, 19/11/11, Hans Remeeus <hans@remeeus.eu> wrote:

From: Hans Remeeus <hans@...>
Subject: Re: [acom-list] Palstar HF-Auto & ACOM 2000A?....
To: acom-list@yahoogroups.com
Date: Saturday, 19 November, 2011, 7:38

Hello Jeff,

The Palstar HF Auto Tuner is for coax. Coax is 50 Ohm; you cannot change
that. I don't find full specs on the site of Palstar, but I assume the
HF Auto Tuner handles impedances between 15 and 250 Ohm. Such tuners are
nice to use when you have tuned antennas with little bandwidth.

When you want much more bandwidth with your dipole the only right way to
go is open feederline and a symmetrical tuner (all balanced).

E.g. the PA0LL LL-Tuner (IMHO the best symmetrical - fully balanced -
tuner in the world) easily handles impedances between several Ohms and
several kiloOhms (!) and easily handles a few kiloWatt output power. For
test purposes I tried full power from my Acom 2000A and the double-L
LL-Tuner handles this with any problem. With only one dipole (or better:
loop) you are able to tune between 1.5 and 30 (perhaps 60) MHz...

Nice weekend and 73!

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-11-2011 4:02, ** N8NOE ** schreef:
> Anyone Using the Palstar HF-Auto and the 2000A?..
> Any Thoughts?
>
> I'm looking into the Idea of an Auto Tuner as to give more Bandwidth and help the Poor
Little Dipole (Doublet) out here.
> Looks like the Newer Version can handle 2500w, and has done away with the Need for CI-V
Cables?

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> Jeff-N8NOE
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4587. Re: [acom-list] Palstar HF-Auto & ACOM 2000A?..../Hans

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 08:58:49 UTC
From: Hans Remeeus
Topic: 4584 Message: 4587

Hello Elan,

Very nice to meet you again!

The antennetuner of DC9DZ, with the famous Kellermann balun, looks good
and very impressive. The only objection I have is that this tuner is not
balanced. Since I use fully balanced double-L tuners for the deltaloop
antenna I have noticed a lot of benefits. Not only in easy tuning and
high efficiency, but also in the almost complete absence of RFI/TVI,
even with the fabulous QRO from the Acom 2000A. The more balance you
have in your antennasystem, the better it is for everything.

Nice weekend and 73!

Please have a look a http://www.cqfriends.com/

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-11-2011 9:15, paim schreef:
> hello Hans
> good to see you on this reflector i hope you and you family doing good .
> please look on this link you may know this nice amp antenna tuner he do
> http://www.dc9dz.de/en/15kwkoppler.html
> vy 73 elan g0uut/dl9fcc
>
> E.P
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> --- On Sat, 19/11/11, Hans Remeeus<hans@...> wrote:
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>
> From: Hans Remeeus<hans@...>
> Subject: Re: [acom-list] Palstar HF-Auto& ACOM 2000A?....
> To: acom-list@yahoogroups.com
> Date: Saturday, 19 November, 2011, 7:38
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>
> Hello Jeff,
>
> The Palstar HF Auto Tuner is for coax. Coax is 50 Ohm; you cannot change
> that. I don't find full specs on the site of Palstar, but I assume the
> HF Auto Tuner handles impedances between 15 and 250 Ohm. Such tuners are
> nice to use when you have tuned antennas with little bandwidth.
>
> When you want much more bandwidth with your dipole the only right way to
> go is open feederline and a symmetrical tuner (all balanced).
>
> E.g. the PA0LL LL-Tuner (IMHO the best symmetrical - fully balanced -
> tuner in the world) easily handles impedances between several Ohms and
> several kiloOhms (!) and easily handles a few kiloWatt output power. For
> test purposes I tried full power from my Acom 2000A and the double-L
> LL-Tuner handles this with any problem. With only one dipole (or better:
> loop) you are able to tune between 1.5 and 30 (perhaps 60) MHz...
>
> Nice weekend and 73!
>
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 19-11-2011 4:02, ** N8NOE ** schreef:
>> Anyone Using the Palstar HF-Auto and the 2000A?..
>> Any Thoughts?
>>
>> I'm looking into the Idea of an Auto Tuner as to give more Bandwidth and help the Poor
Little Dipole (Doublet) out here.
>> Looks like the Newer Version can handle 2500w, and has done away with the Need for CI-V
Cables?
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>> Jeff-N8NOE
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4588. RE: [acom-list] Acom Director setup help?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 10:38:43 UTC
From: James Thresher
Topic: 4582 Message: 4588

Hi Bruce,

ACOM Director should work fine with windows running on the Mac, provided that the serial adaptor is operating correctly, it is likely that the problem lies with the cable. Normally if you are connecting directly from the computer to the ACOM2000 you will need a three wire null modem cable, however it is possible that the ACOM RPON module provides the necessary crossover of the RX & TX wires, so a regular RS232 cable would likely be needed in this case.

The COM port settings are fixed in the software as they are the same for all ACOM2000's.

I have had a report of a very similar issue to yours and it turned out to be a jumper setting in the RPON Module.

Let me know how you get on.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bruce
Sent: 19 November 2011 00:21
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom Director setup help?

Hi,
I am trying to control my 2000a with Acom Director and I am struggling. I am using a boot camped Mac Pro with Windows 7 32 bit. I am also using an RT-Systems usb serial converter to connect the Acom RPON module to the computer. The software will turn the amp on and it will read the information shown in the remote but nothing else is working. No error messages but no control, I cannot shut the amp off, I cannot switch from standby to operate etc. Anyone have any thoughts on where I should begin? Perhaps the settings that I need for the port would be a good place to start?
Thanks,
Bruce AB1KC

[Non-text portions of this message have been removed]

4589. RE: [acom-list] Re: Acom Director setup help?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 10:41:55 UTC
From: James Thresher
Topic: 4582 Message: 4589

Hi Jeff & any other Mac users,

ACOM Director is written using something called the Microsoft .NET Framework, There is a group of people that have produced a ported version of this that runs on the Mac called Mono. If I get the time over the winter, I will try and produce a native Mac version of the software, which would save having to run VMWare, Bootcamp or parallels.

73 James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ** N8NOE **
Sent: 19 November 2011 02:57
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom Director setup help?

Bruce;
New Guy Here but a Fellow Mac User.. If your able to see and Get information from the Software (I just looked it up, Nice Looking and may try it) your USB port settings are or Should be Fine. I'd see NO reason that would be an issue. Myself Use VMWare, and Parallels at work, and can control a Lot that way, and once you get the port to see, you should be fine.. NOT a lot of help, But would be nice is some would understand there are a lot of MAC users out here also..
GL,73
Jeff-N8NOE

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , "Bruce" <b.beard62@...> wrote:
>
> Hi,
> I am trying to control my 2000a with Acom Director and I am struggling. I am using a boot camped Mac Pro with Windows 7 32 bit. I am also using an RT-Systems usb serial converter to connect the Acom RPON module to the computer. The software will turn the amp on and it will read the information shown in the remote but nothing else is working. No error messages but no control, I cannot shut the amp off, I cannot switch from standby to operate etc. Anyone have any thoughts on where I should begin? Perhaps the settings that I need for the port would be a good place to start?
> Thanks,
> Bruce AB1KC
>

[Non-text portions of this message have been removed]

4590. Re: [acom-list] Palstar HF-Auto & ACOM 2000A?..../Hans

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 11:12:18 UTC
From: paim
Topic: 4584 Message: 4590

hello Hans
good to hear from you , yes this was just for info and i hope you did see this big amp he doing hi hi .
and yes LL tuner is the best tuner mney can buy
good weekend now
put some picture from you nice dog in your web page i like to see them again how big they are now thank you
vy 73 elan g0uut/dl9fcc

E.P

--- On Sat, 19/11/11, Hans Remeeus <hans@...> wrote:

From: Hans Remeeus <hans@remeeus.eu>
Subject: Re: [acom-list] Palstar HF-Auto & ACOM 2000A?..../Hans
To: acom-list@yahoogroups.com
Date: Saturday, 19 November, 2011, 8:58

Hello Elan,

Very nice to meet you again!

The antennetuner of DC9DZ, with the famous Kellermann balun, looks good
and very impressive. The only objection I have is that this tuner is not
balanced. Since I use fully balanced double-L tuners for the deltaloop
antenna I have noticed a lot of benefits. Not only in easy tuning and
high efficiency, but also in the almost complete absence of RFI/TVI,
even with the fabulous QRO from the Acom 2000A. The more balance you
have in your antennasystem, the better it is for everything.

Nice weekend and 73!

Please have a look a http://www.cqfriends.com/

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 19-11-2011 9:15, paim schreef:
> hello Hans
> good to see you on this reflector i hope you and you family doing good .
> please look on this link you may know this nice amp antenna tuner he do
> http://www.dc9dz.de/en/15kwkoppler.html
> vy 73 elan g0uut/dl9fcc
>
> E.P

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> --- On Sat, 19/11/11, Hans Remeeus<hans@...> wrote:
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> From: Hans Remeeus<hans@...>
> Subject: Re: [acom-list] Palstar HF-Auto& ACOM 2000A?....
> To: acom-list@yahoogroups.com
> Date: Saturday, 19 November, 2011, 7:38
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> Hello Jeff,
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> The Palstar HF Auto Tuner is for coax. Coax is 50 Ohm; you cannot change
> that. I don't find full specs on the site of Palstar, but I assume the
> HF Auto Tuner handles impedances between 15 and 250 Ohm. Such tuners are
> nice to use when you have tuned antennas with little bandwidth.
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> When you want much more bandwidth with your dipole the only right way to
> go is open feederline and a symmetrical tuner (all balanced).
>
> E.g. the PA0LL LL-Tuner (IMHO the best symmetrical - fully balanced -
> tuner in the world) easily handles impedances between several Ohms and
> several kiloOhms (!) and easily handles a few kiloWatt output power. For
> test purposes I tried full power from my Acom 2000A and the double-L
> LL-Tuner handles this with any problem. With only one dipole (or better:
> loop) you are able to tune between 1.5 and 30 (perhaps 60) MHz...
>
> Nice weekend and 73!
>
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 19-11-2011 4:02, ** N8NOE ** schreef:
>> Anyone Using the Palstar HF-Auto and the 2000A?..
>> Any Thoughts?
>>
>> I'm looking into the Idea of an Auto Tuner as to give more Bandwidth and help the Poor
Little Dipole (Doublet) out here.

>> Looks like the Newer Version can handle 2500w, and has done away with the Need for CI-V Cables?
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>> Jeff-N8NOE
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4591. Re: Acom Director setup help?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 11:57:31 UTC
From: Bruce
Topic: 4582 Message: 4591

Thanks James,
The Acom RPON came with a cable and I just plugged it in, I'll check to verify that it is a straight serial cable first and then I'll try another serial adapter.
73,
BB

--- In acom-list@yahoogroups.com, "James Thresher" <yomengineering@...> wrote:
>
> Hi Bruce,
>
>
>
> ACOM Director should work fine with windows running on the Mac, provided
> that the serial adaptor is operating correctly, it is likely that the
> problem lies with the cable. Normally if you are connecting directly from
> the computer to the ACOM2000 you will need a three wire null modem cable,
> however it is possible that the ACOM RPON module provides the necessary
> crossover of the RX & TX wires, so a regular RS232 cable would likely be
> needed in this case.
>
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>
> The COM port settings are fixed in the software as they are the same for all
> ACOM2000's.
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>
> I have had a report of a very similar issue to yours and it turned out to be
> a jumper setting in the RPON Module.
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>
> Let me know how you get on.
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>
>
> 73 James M0YOM
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>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Bruce
> Sent: 19 November 2011 00:21
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Acom Director setup help?

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>
> Hi,
> I am trying to control my 2000a with Acom Director and I am struggling. I am
> using a boot camped Mac Pro with Windows 7 32 bit. I am also using an
> RT-Systems usb serial converter to connect the Acom RPON module to the
> computer. The software will turn the amp on and it will read the information
> shown in the remote but nothing else is working. No error messages but no
> control, I cannot shut the amp off, I cannot switch from standby to operate
> etc. Anyone have any thoughts on where I should begin? Perhaps the settings
> that I need for the port would be a good place to start?
> Thanks,
> Bruce AB1KC
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4592. Re: [acom-list] Palstar HF-Auto & ACOM 2000A?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 13:24:47 UTC
From: George Steube
Topic: 4584 Message: 4592

The old Palstar Auto Tuner has connection for both coax and open feeder line. Either output can be selected and programmed. I don't know what the new versions has, but a call to Palstar should solve that problem.

I use the old Palstar Auto Tuner with my Acom, but I rarely turn it on since I have tuned antennas and only need the tuner near the band edges. Both work great together, but I do use the computer control to select the band and frequency.
73
George
W2GS

On 11/19/2011 1:38 AM, Hans Remeeus wrote:
>
>
> Hello Jeff,
>
> The Palstar HF Auto Tuner is for coax. Coax is 50 Ohm; you cannot change
> that. I don't find full specs on the site of Palstar, but I assume the
> HF Auto Tuner handles impedances between 15 and 250 Ohm. Such tuners are
> nice to use when you have tuned antennas with little bandwidth.
>
> When you want much more bandwidth with your dipole the only right way to
> go is open feederline and a symmetrical tuner (all balanced).
>
> E.g. the PA0LL LL-Tuner (IMHO the best symmetrical - fully balanced -
> tuner in the world) easily handles impedances between several Ohms and
> several kiloOhms (!) and easily handles a few kiloWatt output power. For
> test purposes I tried full power from my Acom 2000A and the double-L
> LL-Tuner handles this with any problem. With only one dipole (or better:
> loop) you are able to tune between 1.5 and 30 (perhaps 60) MHz...
>
> Nice weekend and 73!
>
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 19-11-2011 4:02, ** N8NOE ** schreef:
> > Anyone Using the Palstar HF-Auto and the 2000A?..
> > Any Thoughts?
> >
> > I'm looking into the Idea of an Auto Tuner as to give more Bandwidth
> and help the Poor Little Dipole (Doublet) out here.

> > Looks like the Newer Version can handle 2500w, and has done away
> with the Need for CI-V Cables?
> >
> > Jeff-N8NOE
> >
> >
> >
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> >
> >
> > ------------------------------------
> >
> > Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4593. Re: Acom Director setup help? I found it!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 18:09:06 UTC
From: Bruce
Topic: 4582 Message: 4593

I found the problem!
It seems that in designing the RPON module Acom makes the assumption that you will be using the A2000S automatic antenna switch and designs the circuit with that use in mind. In reading the schematic I found a note that says to wire a jumper between pins #2 and #3 if you are not using the A2000S. These are green and white wires in my module. I soldered the jumper at the board and voila It all works perfectly now! Perhaps a heads up to perspective RPON users would be nice as there is no mention of the need for a jumper in the literature until you look at the schematic.
73,
BB

--- In acom-list@yahoogroups.com, "Bruce" <brucebeard@...> wrote:
>
> Thanks James,
> The Acom RPON came with a cable and I just plugged it in, I'll check to verify that it is a straight serial cable first and then I'll try another serial adapter.
> 73,
> BB
>
> --- In acom-list@yahoogroups.com, "James Thresher" <yomengineering@> wrote:
> >
> > Hi Bruce,
> >
> >
> >
> > ACOM Director should work fine with windows running on the Mac, provided
> > that the serial adaptor is operating correctly, it is likely that the
> > problem lies with the cable. Normally if you are connecting directly from
> > the computer to the ACOM2000 you will need a three wire null modem cable,
> > however it is possible that the ACOM RPON module provides the necessary
> > crossover of the RX & TX wires, so a regular RS232 cable would likely be
> > needed in this case.
> >
> >
> >
> > The COM port settings are fixed in the software as they are the same for all
> > ACOM2000's.
> >
> >
> >
> > I have had a report of a very similar issue to yours and it turned out to be
> > a jumper setting in the RPON Module.
> >
> >
> >

> > Let me know how you get on.
> >
> >
> >
> > 73 James M0YOM
> >
> >
> >
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> > Of Bruce
> > Sent: 19 November 2011 00:21
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] Acom Director setup help?
> >
> >
> >
> >
> >
> > Hi,
> > I am trying to control my 2000a with Acom Director and I am struggling. I am
> > using a boot camped Mac Pro with Windows 7 32 bit. I am also using an
> > RT-Systems usb serial converter to connect the Acom RPON module to the
> > computer. The software will turn the amp on and it will read the information
> > shown in the remote but nothing else is working. No error messages but no
> > control, I cannot shut the amp off, I cannot switch from standby to operate
> > etc. Anyone have any thoughts on where I should begin? Perhaps the settings
> > that I need for the port would be a good place to start?
> > Thanks,
> > Bruce AB1KC
> >
> >
> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>

4594. Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 19:47:55 UTC
From: Barry N1EU
Topic: 4594 Message: 4594

I modified an Omni 6+ to incorporate the recommended circuit change in TenTec.doc in the group files section and connected it to my 2000A via TX EN / TX OUT.

It seems to work fine in CW. But in PTT or VOX SSB, I am getting "Detected RF Power at Wrong Time".

Has anybody successfully interfaced an Omni 6+ using TX EN/OUT in SSB?

(in the meantime, I'll use the relay output of the Omni 6+)

Thanks & 73,
Barry N1EU

4595. RE: [acom-list] Re: Acom Director setup help? I found it!

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-19 20:19:03 UTC
From: Callum McC
Topic: 4582 Message: 4595

Nice one Bruce. James will be pleased.

C.

[Non-text portions of this message have been removed]

4596. Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-20 10:50:20 UTC
From: N1EU
Topic: 4594 Message: 4596

Well, I am still getting "Detected RF Power at Wrong Time" in SSB using the Omni 6+ relay output instead of the TX EN/OUT loop.

Is ANYBODY successfully using an Omni 6+ in SSB with the 2000A?

Thanks & 73,
Barry N1EU

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I modified an Omni 6+ to incorporate the recommended circuit change in
> TenTec.doc in the group files section and connected it to my 2000A via
> TX EN / TX OUT.
>
> It seems to work fine in CW. But in PTT or VOX SSB, I am getting
> "Detected RF Power at Wrong Time".
>
> Has anybody successfully interfaced an Omni 6+ using TX EN/OUT in SSB?
>
> (in the meantime, I'll use the relay output of the Omni 6+)
>
> Thanks & 73,
> Barry N1EU
>

4597. Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-20 17:19:20 UTC
From: Paul Christensen
Topic: 4594 Message: 4597

Barry,

There may be subtle timing differences between the Omni Six and Paragon. The mod shown in the Yahoo file appears to have been conducted on a Paragon.

Did you confirm that the amp is not hot-switching in CW even though the RCU shows no timing error? In the Omni Six, there may be timing differences between SSB and CW mode. I do know that when I purchased my 2000A in 1999, I confirmed that my Omni Six T/R mod from the early '90s resulted in super-fast and perfect timing in both CW and SSB modes. The mod requires use of the "T" line sample and is available at several points in the rig.

Unless the system can be timed with a scope, I would not use TX OUT/TX EN on anything but a TT amp.

Paul, W9AC

[Non-text portions of this message have been removed]

4598. Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-20 18:16:35 UTC
From: Barry N1EU
Topic: 4594 Message: 4598

On Sun, Nov 20, 2011 at 5:19 PM, Paul Christensen <pchristensen@...>wrote:

>
> Unless the system can be timed with a scope, I would not use TX OUT/TX EN
> on anything but a TT amp.
>
> Thanks Paul. I agree about the funny timing in the radio. But the
separate relay output of the Omni 6+ also seems to be hot switching in ssb
and a fix for that escapes me.

Alpha 99 seems to work like a champ with the Omni 6+, but I'd MUCH rather
use the Acom ;-(

73, Barry N1EU

[Non-text portions of this message have been removed]

4599. Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-20 18:48:06 UTC
From: Paul Christensen
Topic: 4594 Message: 4599

Barry,

Just for grins, try this on the Omni Six. It's an easy change that's reversible:

1) Locate the Ext. amp relay's driving transistor and base resistor;

2) Lift the end of the resistor furthest away from the transistor and simply tie it to the "T" voltage bus;

3) Cut the PCB trace that goes from the transistor's collector to one side of the amp reply. After cutting, bring the collector directly out to the Ext. Amp RCA jack;

4) In the Omni Six menu, disable the Ext. amp relay;

5) Key the 2000A using only the standard key in line. In other words, one RCA cable from the Omni's Ext. Amp Key Out to the ACOM's key in jack.

See what happens with timing.

Paul, W9AC

----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Sunday, November 20, 2011 1:16 PM
Subject: Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

On Sun, Nov 20, 2011 at 5:19 PM, Paul Christensen <pchristensen@...>wrote:

>
> Unless the system can be timed with a scope, I would not use TX OUT/TX EN
> on anything but a TT amp.
>
> Thanks Paul. I agree about the funny timing in the radio. But the
separate relay output of the Omni 6+ also seems to be hot switching in ssb
and a fix for that escapes me.

Alpha 99 seems to work like a champ with the Omni 6+, but I'd MUCH rather
use the Acom ;-(

73, Barry N1EU

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[Non-text portions of this message have been removed]

4600. Re: Acom Director setup help?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-21 11:26:52 UTC
From: ** N8NOE **
Topic: 4582 Message: 4600

I'd Heard of MONO but never any Luck..
NOT real sure why all the MS stuff is going to this Programming?.
My DX-Cluster Node here is the ONLY PC in the Home, and have to keep .NET all updated..
But if you do get it Done. PLEASE let the World Know. There are a Lot of Mac Users out here...

Jeff-N8NOE

--- In acom-list@yahoogroups.com, "James Thresher" <yomengineering@...> wrote:
>
> Hi Jeff & any other Mac users,
>
>
>
> ACOM Director is written using something called the Microsoft .NET
> Framework, There is a group of people that have produced a ported version of
> this that runs on the Mac called Mono. If I get the time over the winter, I
> will try and produce a native Mac version of the software, which would save
> having to run VMWare, Bootcamp or parallels.
>
>
>
> 73 James M0YOM
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of ** N8NOE **
> Sent: 19 November 2011 02:57
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom Director setup help?
>
>
>
>
>
>
> Bruce;
> New Guy Here but a Fellow Mac User.. If your able to see and Get information
> from the Software (I just looked it up, Nice Looking and may try it) your
> USB port settings are or Should be Fine. I'd see NO reason that would be an
> issue. Myself Use VMWare, and Parallels at work, and can control a Lot that
> way, and once you get the port to see, you should be fine.. NOT a lot of
> help, But would be nice is some would understand there are a lot of MAC
> users out here also..
> GL,73

> Jeff-N8NOE
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "Bruce" <b.beard62@> wrote:
> >
> > Hi,
> > I am trying to control my 2000a with Acom Director and I am struggling. I
> am using a boot camped Mac Pro with Windows 7 32 bit. I am also using an
> RT-Systems usb serial converter to connect the Acom RPON module to the
> computer. The software will turn the amp on and it will read the information
> shown in the remote but nothing else is working. No error messages but no
> control, I cannot shut the amp off, I cannot switch from standby to operate
> etc. Anyone have any thoughts on where I should begin? Perhaps the settings
> that I need for the port would be a good place to start?
> > Thanks,
> > Bruce AB1KC
> >
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4601. Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-21 12:45:04 UTC
From: Barry N1EU
Topic: 4594 Message: 4601

I heard back from Stan at Acom Bulgaria on this issue. There were factory updates/mods issued from 2000-2004 to make the 2000A compatible with the Ten-Tec Paragon and Omni 6.

I have added the additional info to the group files section.

It was too easy previously to find the TenTec.doc file in the group files section and be misled into thinking that would solve the problem.

Barry N1EU

On Sun, Nov 20, 2011 at 5:50 AM, N1EU <barry.n1eu@gmail.com> wrote:

> **
>
>
> Well, I am still getting "Detected RF Power at Wrong Time" in SSB using
> the Omni 6+ relay output instead of the TX EN/OUT loop.
>
> Is ANYBODY successfully using an Omni 6+ in SSB with the 2000A?
>
>
> Thanks & 73,
> Barry N1EU
>
> --- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > I modified an Omni 6+ to incorporate the recommended circuit change in
> > TenTec.doc in the group files section and connected it to my 2000A via
> > TX EN / TX OUT.
> >
> > It seems to work fine in CW. But in PTT or VOX SSB, I am getting
> > "Detected RF Power at Wrong Time".
> >
> > Has anybody successfully interfaced an Omni 6+ using TX EN/OUT in SSB?
> >
> > (in the meantime, I'll use the relay output of the Omni 6+)
> >
> > Thanks & 73,
> > Barry N1EU
> >
>
>
>

[Non-text portions of this message have been removed]

4602. Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-21 12:58:16 UTC
From: Paul Christensen
Topic: 4594 Message: 4602

Barry,

Very interesting. Keep us posted on your results.

Paul, W9AC

----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Monday, November 21, 2011 7:45 AM
Subject: Re: [acom-list] Re: Ten-Tec Omni 6+ w 2000A

I heard back from Stan at Acom Bulgaria on this issue. There were factory updates/mods issued from 2000-2004 to make the 2000A compatible with the Ten-Tec Paragon and Omni 6.

I have added the additional info to the group files section.

It was too easy previously to find the TenTec.doc file in the group files section and be misled into thinking that would solve the problem.

Barry N1EU

On Sun, Nov 20, 2011 at 5:50 AM, N1EU <barry.n1eu@...> wrote:

> **
>
>
> Well, I am still getting "Detected RF Power at Wrong Time" in SSB using
> the Omni 6+ relay output instead of the TX EN/OUT loop.
>
> Is ANYBODY successfully using an Omni 6+ in SSB with the 2000A?
>
>
> Thanks & 73,
> Barry N1EU
>
> --- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
> >
> > I modified an Omni 6+ to incorporate the recommended circuit change in
> > TenTec.doc in the group files section and connected it to my 2000A via
> > TX EN / TX OUT.
> >
> > It seems to work fine in CW. But in PTT or VOX SSB, I am getting
> > "Detected RF Power at Wrong Time".
> >
> > Has anybody successfully interfaced an Omni 6+ using TX EN/OUT in SSB?

> >
> > (in the meantime, I'll use the relay output of the Omni 6+)
> >
> > Thanks & 73,
> > Barry N1EU
> >
>
>
>

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[Non-text portions of this message have been removed]

4603. Re: [acom-list] ACOM 1010 failure out of the box

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-21 17:52:54 UTC
From: Two Rivers Contest Club
Topic: 4510 Message: 4603

In following up, I wanted to say how pleased I am with the response to the problem I had with my ACOM 1010. Factory guidance suggested it was either a leaky cap on the main power supply board, or a bad tube. After basic checks on the caps, I sent the unit back to Array Solutions, and Jay confirmed a bad tube. The warranty repair was prompt. I had the amp back late Friday just in time for Sweepstakes SSB. It worked like a charm with no issues whatsoever. Many thanks to ACOM and A/S for the good support.

73

--
Larry L. Ledlow, Jr. KL7/N1TX
Two Rivers Contest Club KL2R

[Non-text portions of this message have been removed]

4604. Panne ACOM 1011

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-25 09:08:02 UTC
From: rogerf4eit
Topic: 4604 Message: 4604

Hello,
ACOM 1011 amplifier I bought three months ago? last few days I can not set a LOAD and TUNE, the LEDs will light up more.
If OM was how this problem has been resolved there.
thank you

4605. Acom 2000A and IC-7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-25 17:28:54 UTC
From: Richard Zalewski
Topic: 4605 Message: 4605

Just hooked up my IC-7800 to my 2000A. Strange thing is when I have the
Acom in standby and have the 7800 output at more than 150w the Acom flashes
for me to reduce drive power in STANDBY. Any ideas?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

4606. Re: [acom-list] Acom 2000A and IC-7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-25 18:14:40 UTC
From: georgek5kg@aol.com
Topic: 4605 Message: 4606

No idea why that is happening. When my 2000A is in standby, it truly is in standby and bypasses any input from the transceiver. However, since my tx is a K3 which does not run more than 100w, I have never tried the 2000A with anything more than 100w in standby.

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/25/2011 12:29:00 P.M. Eastern Standard Time, dick.w7zr@... writes:

Just hooked up my IC-7800 to my 2000A. Strange thing is when I have the Acom in standby and have the 7800 output at more than 150w the Acom flashes for me to reduce drive power in STANDBY. Any ideas?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4607. Re: [acom-list] Acom 2000A and IC-7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-25 19:05:48 UTC
From: LA7SL Nils Petter
Topic: 4605 Message: 4607

There is a power limit on what the 2000 can pass in STBY.
The input (trcvr) relay is not QRO capable, only the output
(antenna) relay which safely handles 1500W +.
This is the same with other amps and not a design flaw.
I think you should stay at 100w or less. The warning comes on
at 150w as you say, so I would suggest 100w as a good choice.
Peter

----- Original Message -----
From: georgek5kg@...
To: acom-list@yahoogroups.com
Sent: Friday, November 25, 2011 7:14 PM
Subject: Re: [acom-list] Acom 2000A and IC-7800

No idea why that is happening. When my 2000A is in standby, it truly is
in standby and bypasses any input from the transceiver. However, since my
tx is a K3 which does not run more than 100w, I have never tried the 2000A
with anything more than 100w in standby.

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 11/25/2011 12:29:00 P.M. Eastern Standard Time,
dick.w7zr@... writes:

Just hooked up my IC-7800 to my 2000A. Strange thing is when I have the
Acom in standby and have the 7800 output at more than 150w the Acom flashes
for me to reduce drive power in STANDBY. Any ideas?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4608. Re: Acom 2000A and IC-7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-26 02:01:57 UTC
From: kamarty456
Topic: 4605 Message: 4608

That is correct. I have an Icom IC775dsp and an IC-7700
any power level beyond 150W with the amp in standby the RCU
will give you an alarm notification.

I recall reading this specification in some information documents early on with the 2000A.
I put mine into service around 09-2001

You may want to search the older files on the reflector.

Martin ka7gkn

--- In acom-list@yahoogroups.com, Richard Zalewski <dick.w7zr@...> wrote:
>
> Just hooked up my IC-7800 to my 2000A. Strange thing is when I have the
> Acom in standby and have the 7800 output at more than 150w the Acom flashes
> for me to reduce drive power in STANDBY. Any ideas?
>
>
> --
> Tnx es 73
> Richard W7ZR
> www.w7zr.com
>
> *Be joyful in hope, patient in affliction, faithful in prayer*
>
>
> [Non-text portions of this message have been removed]
>

4609. Re: [acom-list] Acom 2000A and IC-7800

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-26 14:35:47 UTC
From: kg4lru@aol.com
Topic: 4605 Message: 4609

Suggest you reread your 2000 A OPERATORS manual .

73

Phil AI4DQ

In a message dated 11/25/2011 12:29:01 P.M. Eastern Standard Time,
dick.w7zr@... writes:

Just hooked up my IC-7800 to my 2000A. Strange thing is when I have the
Acom in standby and have the 7800 output at more than 150w the Acom flashes
for me to reduce drive power in STANDBY. Any ideas?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4610. Bias to low at power on

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-27 17:51:21 UTC
From: n6xtus
Topic: 4610 Message: 4610

"Bias to low at power on", also gives a read out of -61 Volts on the remote.
Is this something in the software? I have reset the the Amp to Default.
This 1st time I had the amp on. I had purchased a fews month ago.
I may call Tech support Monday. If I can't get it resolved.

4611. Re: Bias to low at power on

Yahoo group: acom-list (2010 — 2016)
Date: 2011-11-27 21:49:18 UTC
From: kamarty456
Topic: 4610 Message: 4611

This is not an unusual infant failure of the amplifier.
No rhyme or reason why it happens.

Usually it's a failed bias transistor or a bad/leaky capacitor
within the bias circuit.
yes new components do fail and that's why there is a warranty during
the amplifier's early years

My 2000A is about 11 years old and in the first year I experienced
the exact same anomaly

do report back with results.

Martin ka7gkn

--- In acom-list@...m, "n6xtus" <n6xtus@...> wrote:
>
> "Bias to low at power on", also gives a read out of -61 Volts on the remote.
> Is this something in the software? I have reset the the Amp to Default.
> This 1st time I had the amp on. I had purchased a fews month ago.
> I may call Tech support Monday. If I can't get it resolved.
>

4612. Re: Ten-Tec Omni 6+ w 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-07 21:35:54 UTC
From: N1EU
Topic: 4594 Message: 4612

After trying additional mods suggested by Acom Bulgaria that didn't resolve this problem, I worked with W9AC to come up with a simple mod to the Omni 6 and it now plays nicely with the 2000A.

I uploaded the info as TenTec Updated.doc to the group files section. It includes mod instructions and photo.

73, Barry N1EU

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I modified an Omni 6+ to incorporate the recommended circuit change in
> TenTec.doc in the group files section and connected it to my 2000A via
> TX EN / TX OUT.
>
> It seems to work fine in CW. But in PTT or VOX SSB, I am getting
> "Detected RF Power at Wrong Time".
>
> Has anybody successfully interfaced an Omni 6+ using TX EN/OUT in SSB?
>
> (in the meantime, I'll use the relay output of the Omni 6+)
>
> Thanks & 73,
> Barry N1EU
>

4613. Re: Palstar HF-Auto & ACOM 2000A?....

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-08 23:38:37 UTC
From: edctexas
Topic: 4584 Message: 4613

They split ways with the designer of the AT-Auto and this one is an all new design. I use the AT-Auto (older model) with the Acom 2000. I do not use the CIV or RS232 interface. It senses RF frequency and tunes to the nearest memory freq and then tweaks it if needed. The older AT-Auto had a Balun output to drive a balanced line. Later they modified it to allow switching between two coax antennas. I would assume that by enlarging the coil and increasing the plate spacing on the caps they could up the power rating. The only band I have had problems on is 160M. I changed the line length and got it working on that band. PalStar is very good to work with.

Check out http://kesslerengineeringllc.com/ for an updated version of the one I have.

73 Ed KE3D

--- In acom-list@yahoogroups.com, "** N8NOE **" <N8NOE@...> wrote:
>
> Anyone Using the Palstar HF-Auto and the 2000A?..
> Any Thoughts?
>
> I'm looking into the Idea of an Auto Tuner as to give more Bandwidth and help the Poor Little Dipole (Doublet) out here.
> Looks like the Newer Version can handle 2500w, and has done away with the Need for CI-V Cables?
>
> Jeff-N8NOE
>

4614. Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-09 08:02:38 UTC
From: Kjeld Holm
Topic: 4614 Message: 4614

Hello listmenbers,

I am so happy to own a Acom 2000A (acquired second hand - 800 hours) plus Acom 2000SW (new) and Acom 2000S (new).

Right now I have the Acom 2000A controlling the Acom 2000S. But having two antennas for some of my bands I would like to control Acom 2000S from my computer. Can anyone point me to a piece of software to run under Windows XP Pro that will do the job?

Best regards

OZ1CCM Kjeld

KH-Translation ApS

Gyvelbakken 11

DK-4400 Kalundborg

Tel.: (+45) 30 49 39 64

Fax: (+45) 45 82 96 37

e-mail: <mailto:kh@...> kh@...

CVR (VAT) 29613443

Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>

[Non-text portions of this message have been removed]

4615. Re: [acom-list] Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-09 10:33:43 UTC
From: georgek5kg@aol.com
Topic: 4614 Message: 4615

Kjeld,

As I recall, Acom has software for controlling the 2000SW. I tried it at one time, but decided not to use it. I simply control my 2000SW from the buttons on the 2000S.

Check with Acom for the software.

73, George.

George Wagner, K5KG
Sarasota, FL

In a message dated 12/9/2011 3:03:29 A.M. Eastern Standard Time, kh@... writes:

Hello listmenbers,

I am so happy to own a Acom 2000A (acquired second hand - 800 hours) plus Acom 2000SW (new) and Acom 2000S (new).

Right now I have the Acom 2000A controlling the Acom 2000S. But having two antennas for some of my bands I would like to control Acom 2000S from my computer. Can anyone point me to a piece of software to run under Windows XP
Pro that will do the job?

Best regards

OZ1CCM Kjeld

KH-Translation ApS

Gyvelbakken 11

DK-4400 Kalundborg

Tel.: (+45) 30 49 39 64

Fax: (+45) 45 82 96 37

e-mail: <mailto:kh@...> kh@...

CVR (VAT) 29613443

Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4616. Re: [acom-list] Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-09 12:34:13 UTC
From: Barry N1EU
Topic: 4614 Message: 4616

I had high hopes for TRX-Acom, which is part of the TRX-Manager suite of applications, but I believe is written by a 3rd party. Unfortunately TRX-Acom fails to support switching between multiple antennas for the same band segment. It also requires you to input antenna choice for each and every band segment, rather than by band, which is kind of annoying. I wish they could fix it, because TRX-Manager is otherwise a great application.

Barry N1EU

On Fri, Dec 9, 2011 at 3:02 AM, Kjeld Holm <kh@...> wrote:

> **
>
>
> Hello listmenbers,
>
> I am so happy to own a Acom 2000A (acquired second hand - 800 hours) plus
> Acom 2000SW (new) and Acom 2000S (new).
>
> Right now I have the Acom 2000A controlling the Acom 2000S. But having two
> antennas for some of my bands I would like to control Acom 2000S from my
> computer. Can anyone point me to a piece of software to run under Windows
> XP
> Pro that will do the job?
>
> Best regards
>
> OZ1CCM Kjeld
>
> KH-Translation ApS
>
> Gyvelbakken 11
>
> DK-4400 Kalundborg
>
> Tel.: (+45) 30 49 39 64
>
> Fax: (+45) 45 82 96 37
>
> e-mail: <mailto:kh@kh-translation.dk> kh@...
>
> CVR (VAT) 29613443
>
> Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>
>
> [Non-text portions of this message have been removed]

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>

[Non-text portions of this message have been removed]

4617. Proper hookup FT-920

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-09 14:38:35 UTC
From: wvlymen
Topic: 4617 Message: 4617

What is the proper adjacent switch setting for the TX-GND connector of the Yaesu FT-920 that connects to the ACOM 1000 Tx-IN?

Also, is there a connection for the ACOM 1000 Tx-OUT from the FT-920...the manual says it is not absolutely necessary but has someone done it and how?

Thanks,
Bill, KN6V

4618. Re: [acom-list] Proper hookup FT-920

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-09 15:49:23 UTC
From: W5OV@w5ov.com
Topic: 4617 Message: 4618

> What is the proper adjacent switch setting for the TX-GND connector of the
> Yaesu FT-920 that connects to the ACOM 1000 Tx-IN?

You should be able to use either position, but the TR position will use
the transistor switching which is better for several reasons.
(faster, quieter,...)

>
> Also, is there a connection for the ACOM 1000 Tx-OUT from the FT-920...the
> manual says it is not absolutely necessary but has someone done it and
> how?
>

Sorry - I don't understand what you're asking about here.

4619. RE: [acom-list] Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-09 16:46:32 UTC
From: Ron Castro
Topic: 4614 Message: 4619

I think this is the best software out there for the ACOM 2000, and it controls the antenna switch:

http://www.m0yom.co.uk/

There are still some minor glitches, but the software is free. I use it every day with my 2000 (I don't have the antenna switch) which I run from a remote site, and it works great...much better than the factory software.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, December 09, 2011 4:34 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000S

I had high hopes for TRX-Acom, which is part of the TRX-Manager suite of applications, but I believe is written by a 3rd party. Unfortunately TRX-Acom fails to support switching between multiple antennas for the same band segment. It also requires you to input antenna choice for each and every band segment, rather than by band, which is kind of annoying. I wish they could fix it, because TRX-Manager is otherwise a great application.

Barry N1EU

On Fri, Dec 9, 2011 at 3:02 AM, Kjeld Holm <kh@...> wrote:

> **
>
>
> Hello listmenbers,
>
> I am so happy to own a Acom 2000A (acquired second hand - 800 hours)
> plus Acom 2000SW (new) and Acom 2000S (new).
>
> Right now I have the Acom 2000A controlling the Acom 2000S. But having
> two antennas for some of my bands I would like to control Acom 2000S
> from my computer. Can anyone point me to a piece of software to run
> under Windows XP Pro that will do the job?
>
> Best regards
>

> OZ1CCM Kjeld
>
> KH-Translation ApS
>
> Gyvelbakken 11
>
> DK-4400 Kalundborg
>
> Tel.: (+45) 30 49 39 64
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> Fax: (+45) 45 82 96 37
>
> e-mail: <mailto:kh@...> kh@kh-translation.dk
>
> CVR (VAT) 29613443
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> Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>
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> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

4620. Re: Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-10 12:20:04 UTC
From: Laurent
Topic: 4614 Message: 4620

HI Barry

I may fix it but if I am not aware of the problem, there is no chance ! Can you please explain (vie direct email) what you are wishing exactly.

73, Laurent F6DEX

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I had high hopes for TRX-Acom, which is part of the TRX-Manager suite of
> applications, but I believe is written by a 3rd party. Unfortunately
> TRX-Acom fails to support switching between multiple antennas for the same
> band segment. It also requires you to input antenna choice for each and
> every band segment, rather than by band, which is kind of annoying. I wish
> they could fix it, because TRX-Manager is otherwise a great application.
>
> Barry N1EU

4621. RE: [acom-list] Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-10 13:41:53 UTC
From: Kjeld Holm
Topic: 4614 Message: 4621

Thank you Ron – looking forward to try it out.

Best regards

OZ1CCM Kjeld

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: 9. december 2011 17:47
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000S

I think this is the best software out there for the ACOM 2000, and it controls the antenna switch:

http://www.m0yom.co.uk/

There are still some minor glitches, but the software is free. I use it every day with my 2000 (I don't have the antenna switch) which I run from a remote site, and it works great...much better than the factory software.

Ron Castro
N6IE
<http://www.N6IE.com> www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: <mailto:acom-list%40yahoogroups.com> acom-list@yahoogroups.com [mailto:
<mailto:acom-list%40yahoogroups.com> acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, December 09, 2011 4:34 AM
To: <mailto:acom-list%40yahoogroups.com> acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000S

I had high hopes for TRX-Acom, which is part of the TRX-Manager suite of applications, but I believe is written by a 3rd party. Unfortunately TRX-Acom fails to support switching between multiple antennas for the same band segment. It also requires you to input antenna choice for each and every band segment, rather than by band, which is kind of annoying. I wish they could fix it, because TRX-Manager is otherwise a great application.

Barry N1EU

On Fri, Dec 9, 2011 at 3:02 AM, Kjeld Holm <kh@kh-translation.dk
<mailto:kh%40kh-translation.dk> > wrote:

> **
>
>

> Hello listmenbers,
>
> I am so happy to own a Acom 2000A (acquired second hand - 800 hours)
> plus Acom 2000SW (new) and Acom 2000S (new).
>
> Right now I have the Acom 2000A controlling the Acom 2000S. But having
> two antennas for some of my bands I would like to control Acom 2000S
> from my computer. Can anyone point me to a piece of software to run
> under Windows XP Pro that will do the job?
>
> Best regards
>
> OZ1CCM Kjeld
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> DK-4400 Kalundborg
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> Tel.: (+45) 30 49 39 64
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> Fax: (+45) 45 82 96 37
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> e-mail: <mailto: <mailto:kh%40kh-translation.dk> kh@kh-translation.dk>
<mailto:kh%40kh-translation.dk> kh@...
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> Homepage: <http://www.kh-translation.dk> www.kh-translation.dk <
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Yahoo! Groups Links

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4622. Re: [acom-list] Acom 2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-11 15:52:26 UTC
From: Barry N1EU
Topic: 4614 Message: 4622

I'm happy to report to the list that TRX-Manager and TRX-Acom now fully supports the antenna switch and on-the-fly antenna selection via 10 buttons that have been added. Any manually selected antenna overrides the default for the entire band for the operating session, until a different antenna is manually selected.

FWIW, there's also a nifty SteppIR module that allows the SteppIR controller to also track the rig in addition to the Acom.

73, Barry N1EU

On Fri, Dec 9, 2011 at 12:34 PM, Barry N1EU <barry.n1eu@...m> wrote:

> I had high hopes for TRX-Acom, which is part of the TRX-Manager suite of
> applications, but I believe is written by a 3rd party. Unfortunately
> TRX-Acom fails to support switching between multiple antennas for the same
> band segment. It also requires you to input antenna choice for each and
> every band segment, rather than by band, which is kind of annoying. I wish
> they could fix it, because TRX-Manager is otherwise a great application.
>
> Barry N1EU
>
>
> On Fri, Dec 9, 2011 at 3:02 AM, Kjeld Holm <kh@...> wrote:
>
>> **
>>
>>
>> Hello listmenbers,
>>
>> I am so happy to own a Acom 2000A (acquired second hand - 800 hours) plus
>> Acom 2000SW (new) and Acom 2000S (new).
>>
>> Right now I have the Acom 2000A controlling the Acom 2000S. But having two
>> antennas for some of my bands I would like to control Acom 2000S from my
>> computer. Can anyone point me to a piece of software to run under Windows
>> XP
>> Pro that will do the job?
>>
>> Best regards
>>
>> OZ1CCM Kjeld
>>
>> KH-Translation ApS
>>
>> Gyvelbakken 11

>>
>> DK-4400 Kalundborg
>>
>> Tel.: (+45) 30 49 39 64
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>> Fax: (+45) 45 82 96 37
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>> e-mail: <mailto:kh@...> kh@kh-translation.dk
>>
>> CVR (VAT) 29613443
>>
>> Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>
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>> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4623. WTB ACOM 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-23 12:48:26 UTC
From: Bruce Meier
Topic: 4623 Message: 4623

I would like to add an ACOM 2000A to my station. If anyone has one for sale and in good condition, please let me know.

73,

Bruce - N1LN

[Non-text portions of this message have been removed]

4624. Re: [acom-list] WTB ACOM 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-24 03:12:27 UTC
From: Brian Alsop
Topic: 4623 Message: 4624

Bruce,

What schedule are you on? I will be selling my 1.5 yr old ACOM2000
after I work theHK)M dxpedition at the end of Jan. Am original owner.

Paid $6800. Asking 6000 and will include a pair of spare GU74B's. They
had been used in my Acom 1000 but output dropped off on 6M. They should
permit full legal power on 160-10.

73 de Brian/K3KO
Henderson, NC

Bruce Meier wrote:
>
>
> I would like to add an ACOM 2000A to my station. If anyone has one for sale
> and in good condition, please let me know.
>
> 73,
>
> Bruce - N1LN
>
> [Non-text portions of this message have been removed]
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1415 / Virus Database: 2108/4087 - Release Date: 12/17/11
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1415 / Virus Database: 2108/4087 - Release Date: 12/17/11

4625. New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-24 18:36:10 UTC
From: kamarty456
Topic: 4625 Message: 4625

Has anyone used the new RCU for the 2000A yet?
Any beta testers out there?

Martin KA7GKN

4626. Re: [acom-list] New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-25 02:24:05 UTC
From: georgek5kg@aol.com
Topic: 4625 Message: 4626

What is an RCU?

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 12/24/2011 1:36:13 P.M. Eastern Standard Time,
martins160@... writes:

Has anyone used the new RCU for the 2000A yet?
Any beta testers out there?

Martin KA7GKN

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4627. Re: New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-25 02:39:16 UTC
From: Bruce
Topic: 4625 Message: 4627

RCU= Remote Control Unit.
Merry Christmas!
Bruce

--- In acom-list@yahoogroups.com, georgek5kg@... wrote:
>
> What is an RCU?
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 12/24/2011 1:36:13 P.M. Eastern Standard Time,
> martins160@... writes:
>
> Has anyone used the new RCU for the 2000A yet?
> Any beta testers out there?
>
>
> Martin KA7GKN
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
>

4628. Re: New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 11:19:12 UTC
From: ** N8NOE **
Topic: 4625 Message: 4628

Martin, I'm NOT sure it's even available? Like to get and use it Here..
Looks Sweet!..

Jeff-N8NOE

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> Has anyone used the new RCU for the 2000A yet?
> Any beta testers out there?
>
>
> Martin KA7GKN
>

4629. AMP and Second RF-OUT Port?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 11:22:20 UTC
From: ** N8NOE **
Topic: 4629 Message: 4629

Hey All;
I know there is a second Antenna setup in the Amp itself, but only ONE Port Out. Is there or has Anyone got a Second port OUT? Reason I Ask is this is really the Only reason I Have a Tuner in line, is to allow Switching the Antennas.. Seems it's in the Menu, Why Not on the Back?..
Am I Missing Something?..
Jeff-N8NOE

4630. Re: [acom-list] Re: New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 14:34:23 UTC
From: W5OV@w5ov.com
Topic: 4625 Message: 4630

Acom tells us to expect it to become available in the March/April time frame. All older 2000A amplifiers will work with it. Cost is expected to be in the $600 to $800 range.

Bob W5OV
Array Solutions

> Martin, I'm NOT sure it's even available? Like to get and use it Here..
> Looks Sweet!..
>
> Jeff-N8NOE
>
>
>
> --- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>>
>> Has anyone used the new RCU for the 2000A yet?
>> Any beta testers out there?
>>
>>
>> Martin KA7GKN
>>
>
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4631. Re: [acom-list] AMP and Second RF-OUT Port?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 14:35:49 UTC
From: W5OV@w5ov.com
Topic: 4629 Message: 4631

Jeff,

If you have the optional Acom Switch (the 2000S/SW) you can have several physical antennas connected and automatically switched.

73,

Bob W5OV
Array Solutions

> Hey All;
> I know there is a second Antenna setup in the Amp itself, but only ONE
> Port Out. Is there or has Anyone got a Second port OUT? Reason I Ask
> is this is really the Only reason I Have a Tuner in line, is to allow
> Switching the Antennas.. Seems it's in the Menu, Why Not on the
> Back?..
> Am I Missing Something?..
> Jeff-N8NOE
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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4632. Re: [acom-list] AMP and Second RF-OUT Port?

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 14:35:50 UTC
From: W5OV@w5ov.com
Topic: 4629 Message: 4632

Jeff,

If you have the optional Acom Switch (the 2000S/SW) you can have several physical antennas connected and automatically switched.

73,

Bob W5OV
Array Solutions

> Hey All;
> I know there is a second Antenna setup in the Amp itself, but only ONE
> Port Out. Is there or has Anyone got a Second port OUT? Reason I Ask
> is this is really the Only reason I Have a Tuner in line, is to allow
> Switching the Antennas.. Seems it's in the Menu, Why Not on the
> Back?..
> Am I Missing Something?..
> Jeff-N8NOE
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>

4633. Re: [acom-list] Re: New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 18:14:59 UTC
From: Mel Whitten
Topic: 4625 Message: 4633

I wonder how ACOM will increase the agonizing slow 1200 baud rate of the RCU communications without a firmware change in the hardware? If it is just a matter of replacing an EPROM, that would be not be big problem for most users.

Mel
k0pfx

----- Original Message -----
From: W5OV@...
To: acom-list@yahoogroups.com
Sent: Monday, December 26, 2011 8:34 AM
Subject: Re: [acom-list] Re: New RCU for the 2000A

Acom tells us to expect it to become available in the March/April time frame. All older 2000A amplifiers will work with it. Cost is expected to be in the $600 to $800 range.

Bob W5OV
Array Solutions

> Martin, I'm NOT sure it's even available? Like to get and use it Here..
> Looks Sweet!..
>
> Jeff-N8NOE
>
>
>
> --- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>>
>> Has anyone used the new RCU for the 2000A yet?
>> Any beta testers out there?
>>
>>
>> Martin KA7GKN
>>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4634. Re: [acom-list] Re: New RCU for the 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-26 20:16:47 UTC
From: Val
Topic: 4625 Message: 4634

Mel,

The new RCU should work with every 2000A without changes in the main amplifier unit. That's why the baud rate have to stay as is. But the slow speed is a problem for the software developer of the new RCU only, and neither for the amplifier operation, nor for the user.

73, Val LZ1VB

>I wonder how ACOM will increase the agonizing slow 1200 baud rate of the
>RCU communications without a firmware change in the hardware? If it is
>just a matter of replacing an EPROM, that would be not be big problem for
>most users.
>
> Mel
> k0pfx
>
> ----- Original Message -----
> From: W5OV@...
> To: acom-list@yahoogroups.com
> Sent: Monday, December 26, 2011 8:34 AM
> Subject: Re: [acom-list] Re: New RCU for the 2000A
>
>
>
> Acom tells us to expect it to become available in the March/April time
> frame. All older 2000A amplifiers will work with it. Cost is expected to
> be in the $600 to $800 range.
>
> Bob W5OV
> Array Solutions
>
> > Martin, I'm NOT sure it's even available? Like to get and use it Here..
> > Looks Sweet!..
> >
> > Jeff-N8NOE
> >
> >
> >
> > --- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
> >>
> >> Has anyone used the new RCU for the 2000A yet?
> >> Any beta testers out there?
> >>
> >>
> >> Martin KA7GKN

> >>
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4635. Acom 2000A in Antarctica: help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-28 10:04:29 UTC
From: Felix
Topic: 4635 Message: 4635

Hello,

this message comes to you from Neumayer Station, Antarctica (amateur radio club station DP0GVN). We have recently purchased a new Acom 2000A for use at our station. This setup has been recommended to us by the radio operators at Novolazarevskaya Runway (RI1ANR) who have been using an Acom 2000A for some time now with great success.

The amplifier has arrived recently in Antarctica by ship. We are, however, having problems getting it to work. We have installed the transformer according to the manual. No matter if we are using an antenna or a dummy load: after switching the device on, we always get error message "PLATE RF = 384V: SHOULD BE ZERO". We followed the handbook's advice, disconnected the radio and tried again after a few minutes, but the error message remains the same.

It is almost impossible to send the amplifier in for repair, as the time and expense for shipping would be horrendous. So we are very grateful for ideas which connections and components should be checked. Your help will be very much appreciated!

73 from Antarctica,

Felix, DL5XL, OP at DP0GVN

4636. Re: Acom 2000A in Antarctica: help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-29 23:49:05 UTC
From: Felix
Topic: 4635 Message: 4636

Hello,

I'd just like to let everyone know that the problem has been solved thanks to excellent service and support we have received from Acom in Bulgaria. A bad connection at the U27 multiplexer on the CPU PCB seemed to have caused the problem. I'd like to thank DJ1AA, DJ5AN, DJ6QT, DK3HV, DK7ZT, DL1YFF, and LZ1VB for making helpful suggestions and sending documents. I am overly impressed with Acom for locating the problem very quickly from data we provided - which is outstanding, particularly at this time of the year when almost everyone is on holiday. Stan, LZ1IU, has done a great job! If you worked or heard DP1POL on 30m CW tonight, you have witnessed the first hours of operation of our new Acom 2000A at Neumayer Station, Antarctica.

73 and all the best for 2012,

Felix, DL5XL/DP1POL,
Neumayer Station, Antarctica.

4637. Acom 2000A in Antarctica - Great Support

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-30 01:21:19 UTC
From: W1JCW
Topic: 4635 Message: 4637

Great support is why I sold my alpha for my Acom 2K.

Alpha only wants to make a buck and doesn't care about helping the customer.

Now support is as close as Array Solutions 20 miles away.

I love my Acom 2K !

73-
W1JCW
John

From: Felix
Sent: Thursday, December 29, 2011 5:49 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A in Antarctica: help needed

Hello,

I'd just like to let everyone know that the problem has been solved thanks to excellent service and support we have received from Acom in Bulgaria. A bad connection at the U27 multiplexer on the CPU PCB seemed to have caused the problem. I'd like to thank DJ1AA, DJ5AN, DJ6QT, DK3HV, DK7ZT, DL1YFF, and LZ1VB for making helpful suggestions and sending documents. I am overly impressed with Acom for locating the problem very quickly from data we provided - which is outstanding, particularly at this time of the year when almost everyone is on holiday. Stan, LZ1IU, has done a great job! If you worked or heard DP1POL on 30m CW tonight, you have witnessed the first hours of operation of our new Acom 2000A at Neumayer Station, Antarctica.

73 and all the best for 2012,

Felix, DL5XL/DP1POL,
Neumayer Station, Antarctica.

[Non-text portions of this message have been removed]

4638. Re: Acom 2000A in Antarctica: help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-30 09:14:28 UTC
From: PA4JJ
Topic: 4635 Message: 4638

Felix

You forgot to mention PA4JJ hi
Happy 2012

Jan

--- In acom-list@yahoogroups.com, "Felix" <felix@...> wrote:
>
>
>
> Hello,
>
> I'd just like to let everyone know that the problem has been solved thanks to excellent service and support we have received from Acom in Bulgaria. A bad connection at the U27 multiplexer on the CPU PCB seemed to have caused the problem. I'd like to thank DJ1AA, DJ5AN, DJ6QT, DK3HV, DK7ZT, DL1YFF, and LZ1VB for making helpful suggestions and sending documents. I am overly impressed with Acom for locating the problem very quickly from data we provided - which is outstanding, particularly at this time of the year when almost everyone is on holiday. Stan, LZ1IU, has done a great job! If you worked or heard DP1POL on 30m CW tonight, you have witnessed the first hours of operation of our new Acom 2000A at Neumayer Station, Antarctica.
>
> 73 and all the best for 2012,
>
> Felix, DL5XL/DP1POL,
> Neumayer Station, Antarctica.
>

4639. Re: [acom-list] Re: Acom 2000A in Antarctica: help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-30 09:23:45 UTC
From: Ivan
Topic: 4635 Message: 4639

The ACOM BULGARIA TEAM It is the best service for his clients and users !!!!
73´s Ivan EA8YG

HAPPY NEW YEAR !!!!!

El 29/12/2011 23:49, Felix escribió:
>
>
>
> Hello,
>
> I'd just like to let everyone know that the problem has been solved
> thanks to excellent service and support we have received from Acom in
> Bulgaria. A bad connection at the U27 multiplexer on the CPU PCB
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> DP1POL on 30m CW tonight, you have witnessed the first hours of
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>
> 73 and all the best for 2012,
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> Felix, DL5XL/DP1POL,
> Neumayer Station, Antarctica.
>
>

[Non-text portions of this message have been removed]

4640. Running Barefoot

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-30 20:13:10 UTC
From: wvlymen
Topic: 4640 Message: 4640

I have a FT-920. Can I run "barefoot" with an ACOM 1000 as it is designed to be connected for amp use? If so how is that doen? Does tha map have to be turned on or will it work with the AMP off?

Thanks,
Bill, KN6V

4641. Re: [acom-list] Running Barefoot

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-30 20:20:17 UTC
From: tim
Topic: 4640 Message: 4641

On 30/12/2011 20:13, wvlymen wrote:
>
> I have a FT-920. Can I run "barefoot" with an ACOM 1000 as it is
> designed to be connected for amp use? If so how is that doen? Does tha
> map have to be turned on or will it work with the AMP off?
>
> Thanks,
> Bill, KN6V
>
>

Just run it either turned off or in standby Bill, I have an IC7600 and
have had no problems running it `straight through'

Great Amp!

73 es HNY

Tim M0AFJ

[Non-text portions of this message have been removed]

4642. Re: [acom-list] Running Barefoot

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 01:42:20 UTC
From: kg4lru@aol.com
Topic: 4640 Message: 4642

Its best to run with your shoes on . That's how we do it in Kentucky

73

ai4dq Phil

In a message dated 12/30/2011 3:13:13 P.M. Eastern Standard Time,
vlymen@... writes:

I have a FT-920. Can I run "barefoot" with an ACOM 1000 as it is designed
to be connected for amp use? If so how is that doen? Does tha map have to be
turned on or will it work with the AMP off?

Thanks,
Bill, KN6V

[Non-text portions of this message have been removed]

4643. Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 18:10:47 UTC
From: N2TK, Tony
Topic: 4643 Message: 4643

Amp has been running fine for quite a while.

Yesterday when I turned it on it cycled through the time. When it came on I got an alarm "Bias too low at power on: -000V".

I hit the ON button on the RCU again. This time after a few seconds I got an alarm "Ip=520ma. Should be zero". The fan did not start either.

What I have done so far:

- Checked voltage on JP3:1 behind front panel -124V

- Unplugged JP2 on the HVSG board to see if that changed anything
- nope.

- Put in a new pair of tubes, just in case. No change.

Before I rip apart everything to see if can find out what happened, any ideas out there?

Tnx and Happy New Year.

N2TK, Tony

[Non-text portions of this message have been removed]

4644. Re: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 20:28:25 UTC
From: George Steube
Topic: 4643 Message: 4644

Tony,
Look at the files section of this forum. The zero bias problem is a "common" failure mode (not that there are many on an A2KA). There should be file that describes how to trouble shoot this problem and the likely culprit. I think its a cap on the control board. Good luck.
73
George
W2GS

On 12/31/2011 12:10 PM, N2TK, Tony wrote:
>
> Amp has been running fine for quite a while.
>
> Yesterday when I turned it on it cycled through the time. When it came
> on I
> got an alarm "Bias too low at power on: -000V".
>
> I hit the ON button on the RCU again. This time after a few seconds I
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> alarm "Ip=520ma. Should be zero". The fan did not start either.
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> What I have done so far:
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> - Put in a new pair of tubes, just in case. No change.
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> Before I rip apart everything to see if can find out what happened, any
> ideas out there?
>
> Tnx and Happy New Year.
>
> N2TK, Tony
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4645. Re: [acom-list] Acom new hf radio

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 20:54:06 UTC
From: paim
Topic: 4643 Message: 4645

http://www.cqdx.ru/ham/new-equipment/new-t99-bulgarian-acom-hf-transceiver/

vy 73
E.P g0uut

[Non-text portions of this message have been removed]

4646. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 21:13:17 UTC
From: N2TK, Tony
Topic: 4643 Message: 4646

Tnx George. This is not the classic bias problem with the cap going bad on the power supply board. I had replaced the cap a few years back and the bias is fine.

This afternoon I checked the resistors mounted to the base of the tubes. They seem to be fine.

Since the fan does not come on right away I am wondering if this problem has something to do with the RCU? I had replaced the 22pf caps a while back that seemed were an issue in the early 2000A's. They became very leaky. The other reason I am curious about the RCU is that the alarm with excessive Ip when the amp first turns on before the tubes heat up. I don't understand how that could be happening unless it is a false reading.

Also checked C6 on the CPU board. I get 46K resistance from JP3:7 to ground. So I assume C6 is okay.

By the way was thinking of replacing both the input and output relays while I have the amp apart. The output relay is a piece of cake. But the input relay, that would take some work. I don't see a simple way of doing it because you need to get the board out which does not look easy.

Happy New Year

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of George Steube
Sent: Saturday, December 31, 2011 3:28 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A Ip alarm

Tony,
Look at the files section of this forum. The zero bias problem is a "common" failure mode (not that there are many on an A2KA). There should be file that describes how to trouble shoot this problem and the likely culprit. I think its a cap on the control board. Good luck.
73
George
W2GS

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> What I have done so far:
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> - Checked voltage on JP3:1 behind front panel -124V
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> - nope.
>
> - Put in a new pair of tubes, just in case. No change.
>
> Before I rip apart everything to see if can find out what happened, any
> ideas out there?
>
> Tnx and Happy New Year.
>
> N2TK, Tony
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4647. Re: [acom-list] Running Barefoot

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 21:56:59 UTC
From: Alan M. Eshleman
Topic: 4640 Message: 4647

no, the amp doesn't need to be turned on...

----- Original Message -----
From: kg4lru@...
To: acom-list@yahoogroups.com
Sent: Friday, December 30, 2011 5:42:20 PM
Subject: Re: [acom-list] Running Barefoot

Its best to run with your shoes on . That's how we do it in Kentucky

73

ai4dq Phil

In a message dated 12/30/2011 3:13:13 P.M. Eastern Standard Time,
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Thanks,
Bill, KN6V

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4648. Re: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2011-12-31 22:31:46 UTC
From: George Steube
Topic: 4643 Message: 4648

Tony,
Email the guys in Bulgaria they can probably point you in the right direction. I spent two weeks before Xmas chasing a problem in a Commander amp. They were never made to be taken a part after they left the factory. In order to get to the power supply caps almost every screw, front panel, rear panel, center divider, RF shield box has to come out. The first time you do it you think this isn't right; the second time you make a number of comments about the genealogy of the designer. Sorry I wasn't more help.
73
George
W2GS

On 12/31/2011 3:13 PM, N2TK, Tony wrote:
>
> Tnx George. This is not the classic bias problem with the cap going bad on
> the power supply board. I had replaced the cap a few years back and
> the bias
> is fine.
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> This afternoon I checked the resistors mounted to the base of the tubes.
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> could be happening unless it is a false reading.
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> Also checked C6 on the CPU board. I get 46K resistance from JP3:7 to
> ground.
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> By the way was thinking of replacing both the input and output relays
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> I have the amp apart. The output relay is a piece of cake. But the input
> relay, that would take some work. I don't see a simple way of doing it
> because you need to get the board out which does not look easy.
>
> Happy New Year

>
> N2TK, Tony
>
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>] On Behalf
> Of George Steube
> Sent: Saturday, December 31, 2011 3:28 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] Acom 2000A Ip alarm
>
> Tony,
> Look at the files section of this forum. The zero bias problem is a
> "common" failure mode (not that there are many on an A2KA). There
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> likely culprit. I think its a cap on the control board. Good luck.
> 73
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> W2GS
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> > I hit the ON button on the RCU again. This time after a few seconds I
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> > What I have done so far:
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> > - Checked voltage on JP3:1 behind front panel -124V
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> > - Unplugged JP2 on the HVSG board to see if that changed anything
> > - nope.
> >
> > - Put in a new pair of tubes, just in case. No change.
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> > Before I rip apart everything to see if can find out what happened, any
> > ideas out there?
> >
> > Tnx and Happy New Year.
> >
> > N2TK, Tony
> >
> > [Non-text portions of this message have been removed]
> >

> >
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4649. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-01 02:18:12 UTC
From: Bob Naumann
Topic: 4643 Message: 4649

Tony,

There may be a socketed chip in your RCU. Sometimes, the pins get intermittent.

Try re-seating the chip in the socket and the problem may go away.

If not, Jay will be back on Monday and can assist you in troubleshooting it further.

-Bob

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of N2TK, Tony
Sent: Saturday, December 31, 2011 3:13 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Ip alarm

Tnx George. This is not the classic bias problem with the cap going bad on the power supply board. I had replaced the cap a few years back and the bias is fine.

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Happy New Year

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of George Steube
Sent: Saturday, December 31, 2011 3:28 PM

To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A Ip alarm

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> What I have done so far:
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> Before I rip apart everything to see if can find out what happened, any
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> Tnx and Happy New Year.
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> N2TK, Tony
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> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4650. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-01 19:10:51 UTC
From: N2TK, Tony
Topic: 4643 Message: 4650

Hi Bob,

Tnx for volunteering Jay. J

I tried resetting the CU in the RCU. Also checked the remaining 22pf caps and replaced the last of them. Over the years they became leaky - only the blue 22pf ones.

W2SG got me rethinking about the Low Voltage Supply. Many of us have replaced C2, but what about the other caps? Well, sometimes a voltmeter only tells you so much. Drug out the scope. Found AC on the 48V and 24V lines on the Interface Board, JP3. 24V had lots of AC and very little DC.

Removed the Low Voltage Supply. Removed C15 and C14. Tested both. They are both leaky, especially C14.

Ordered caps today to replace all six large caps on the board since I have the board out. Went with 50V units for C14 and C15. Once I get them towards the end of the week will rebuild the board and check out the supply. Hopefully that was the problem.

Once I get this problem fixed will also replace Q1 the existing 500V in the HV Rectifier and SG Regulator with an 800V Mosfet.

HNY

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Saturday, December 31, 2011 9:18 PM
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Behalf
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Happy New Year

N2TK, Tony

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
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> [Non-text portions of this message have been removed]
>
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4651. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-05 01:09:43 UTC
From: N2TK, Tony
Topic: 4643 Message: 4651

Here is where I am at:

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Any ideas?

Tnx

N2TK, Tony

From: N2TK, Tony [mailto:tony.kaz@...]
Sent: Sunday, January 01, 2012 2:11 PM
To: 'acom-list@yahoogroups.com'
Subject: RE: [acom-list] Acom 2000A Ip alarm

Hi Bob,

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HNY

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Saturday, December 31, 2011 9:18 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Ip alarm

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Yahoo! Groups Links

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4652. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-05 02:52:18 UTC
From: Ron Castro
Topic: 4643 Message: 4652

Tony:

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Have you heard from the factory on this?

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N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

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From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of N2TK, Tony
Sent: Wednesday, January 04, 2012 5:10 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Ip alarm

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Yahoo! Groups Links

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4653. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-05 12:25:37 UTC
From: N2TK, Tony
Topic: 4643 Message: 4653

Hi Ron,

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I will copy W5OV at Array Solutions on this. Do you have any of the factory email addresses you can pass along?

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Sent: Wednesday, January 04, 2012 9:52 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Ip alarm

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4654. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-05 16:46:12 UTC
From: Ron Castro
Topic: 4643 Message: 4654

Tony:

If you have high voltage probes, check the AC voltage out of the transformer and see if that matches what is shown on the schematic, just to make sure nothing is going on in the transformer that is not blowing fuses.

Wil's email in MA is K6ND@... and the folks at Array Solutions are at info@... (214-954-7140). You have some good diagnostic information and you should be within a few components of finding the problem!

Ron Castro
Chief Technical Officer
Results Radio, LLC
N6IE
www.N6IE.com

-----Original Message-----
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Sent: Thursday, January 05, 2012 4:26 AM
To: acom-list@yahoogroups.com
Cc: w5ov@...
Subject: RE: [acom-list] Acom 2000A Ip alarm

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[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>] On Behalf Of N2TK, Tony
Sent: Saturday, December 31, 2011 3:13 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
Subject: RE: [acom-list] Acom 2000A Ip alarm

Tnx George. This is not the classic bias problem with the cap going bad on the power supply board. I had replaced the cap a few years back and the bias is fine.

This afternoon I checked the resistors mounted to the base of the tubes. They seem to be fine.

Since the fan does not come on right away I am wondering if this problem has something to do with the RCU? I had replaced the 22pf caps a while back that seemed were an issue in the early 2000A's. They became very leaky. The other reason I am curious about the RCU is that the alarm with excessive Ip when the amp first turns on before the tubes heat up. I don't understand how that could be happening unless it is a false reading.

Also checked C6 on the CPU board. I get 46K resistance from JP3:7 to ground. So I assume C6 is okay.

By the way was thinking of replacing both the input and output relays while I have the amp apart. The output relay is a piece of cake. But the input relay, that would take some work. I don't see a simple way of doing it because you need to get the board out which does not look easy.

Happy New Year

N2TK, Tony

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
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its a cap on the control board. Good luck.
73
George
W2GS

On 12/31/2011 12:10 PM, N2TK, Tony wrote:
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4655. RE: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-06 12:39:01 UTC
From: N2TK, Tony
Topic: 4643 Message: 4655

The amp is working!

Tnx for all the suggestions and feedback from this reflector.

I got great help both from Acom and also Array Solutions. Both hit the nail on the head with the problem as did N6IE. Yes, it was R14 on the HV Filter board that opened. I made a terrible mistake of checking R17 which is okay. Stan from Acom sent me detailed instructions and drawings this morning. Jay and Bob from Array Solutions got involved and Jay called me last night and walked me through some testing which also pointed to R14.

The bottom line:

- The low bias problem caused the tubes to draw too much current which caused R14 to fail.

- I replaced all the large electrolytic caps on the Low Voltage Supply Board and also the SG Regulator Assembly Board since when I scoped the DC lines I saw ripple on a few of them.

- Replaced R14.

- Since I had the amp apart also replaced the vacuum relay for the first time. I use QSK all the time and I was getting some alarms that seemed to indicate a sticking relay.

Great support from Acom and Array Solutions on a 12 year old amp that has seen lots of use. And thanks again for all the feedback and help on the reflector, especially N6IE, N1LN, W5OV, W2GS.

The amp is back on the shelf in the basement. Only have the RCU in the shack.

73,

N2TK, Tony

From: N2TK, Tony [mailto:tony.kaz@...]
Sent: Wednesday, January 04, 2012 8:10 PM
To: 'acom-list@yahoogroups.com'
Subject: RE: [acom-list] Acom 2000A Ip alarm

Here is where I am at:

- Replaced C14 on the Low Voltage Supply. Now I get 24V without ripple. In fact I replaced C2, C14, C15, C22, C28, C29 since I gad the amp apart and I had new caps for this and one other cap had ripple on it.

- All voltages on the Low Voltage Supply seem normal now.

- Not sure why the one pictorial of the Interface Board shows +24VST on JP3:10. It seems more like a return line? Maybe I misunderstand the labeling?

Anyways I powered the amp. About 2 seconds after I turn it on from the RCU I still get the alarm Ic=500ma and the amp shuts off. I pulled the tubes and the same thing happens. The amp shuts off before the blower starts.

If I pull the plug on the high voltage transformer and turn on the amp I do not get the Ip alarm and the blower starts.

So it seems this has to do with the high voltage supply.

Any ideas?

Tnx

N2TK, Tony

From: N2TK, Tony [mailto:tony.kaz@...]
Sent: Sunday, January 01, 2012 2:11 PM
To: 'acom-list@yahoogroups.com'
Subject: RE: [acom-list] Acom 2000A Ip alarm

Hi Bob,

Tnx for volunteering Jay. J

I tried resetting the CU in the RCU. Also checked the remaining 22pf caps and replaced the last of them. Over the years they became leaky - only the blue 22pf ones.

W2SG got me rethinking about the Low Voltage Supply. Many of us have replaced C2, but what about the other caps? Well, sometimes a voltmeter only tells you so much. Drug out the scope. Found AC on the 48V and 24V lines on the Interface Board, JP3. 24V had lots of AC and very little DC.

Removed the Low Voltage Supply. Removed C15 and C14. Tested both. They are both leaky, especially C14.

Ordered caps today to replace all six large caps on the board since I have the board out. Went with 50V units for C14 and C15. Once I get them towards the end of the week will rebuild the board and check out the supply. Hopefully that was the problem.

Once I get this problem fixed will also replace Q1 the existing 500V in the HV Rectifier and SG Regulator with an 800V Mosfet.

HNY

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Saturday, December 31, 2011 9:18 PM

To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Ip alarm

Tony,

There may be a socketed chip in your RCU. Sometimes, the pins get intermittent.

Try re-seating the chip in the socket and the problem may go away.

If not, Jay will be back on Monday and can assist you in troubleshooting it further.

-Bob

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
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Also checked C6 on the CPU board. I get 46K resistance from JP3:7 to ground. So I assume C6 is okay.

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Happy New Year

N2TK, Tony

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Of George Steube

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> Tnx and Happy New Year.
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4656. Re: [acom-list] Acom 2000A Ip alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-06 13:58:30 UTC
From: George Steube
Topic: 4643 Message: 4656

Tony,
Good news! It's also nice to know that the folks at Acom and Array Solutions are around to help when needed.
73,
George
W2GS

On 1/6/2012 6:39 AM, N2TK, Tony wrote:
>
> The amp is working!
>
> Tnx for all the suggestions and feedback from this reflector.
>
> I got great help both from Acom and also Array Solutions. Both hit the
> nail
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> board that opened. I made a terrible mistake of checking R17 which is
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> walked me through some testing which also pointed to R14.
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> - Since I had the amp apart also replaced the vacuum relay for the
> first time. I use QSK all the time and I was getting some alarms that
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> Great support from Acom and Array Solutions on a 12 year old amp that has
> seen lots of use. And thanks again for all the feedback and help on the
> reflector, especially N6IE, N1LN, W5OV, W2GS.
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> The amp is back on the shelf in the basement. Only have the RCU in the
> shack.

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> 73,
>
> N2TK, Tony
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> Sent: Wednesday, January 04, 2012 8:10 PM
> To: 'acom-list@yahoogroups.com <mailto:%27acom-list%40yahoogroups.com>'
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> Here is where I am at:
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> Any ideas?
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> Sent: Sunday, January 01, 2012 2:11 PM
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> Yahoo! Groups Links
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4657. Leaving ACOM 2000 in standby 24x7

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-07 13:23:33 UTC
From: Callum McC
Topic: 4657 Message: 4657

Because the amp is so quiet, I sometimes shut down my shack and forget to turn the amp off. The amp lives on top of it's flightcase under my desk with the control unit tucked out the way.

I use my amp most days but other than clocking up hours on the meter, do you think it's best to leave the amp on OPR / on STB - or OFF (at the controller)?

The reason for asking is that an acquaintance of mine lives for 6 months on a large motor yacht in the Pacific North West and once he switches all his electronics on, he leaves it on 24x7 and has very few hardware faults for a big vessel (with $300,000 of electronics).

I'm more curious than concerned!

Callum
M0MCX

[Non-text portions of this message have been removed]

4658. Re: [acom-list] Leaving ACOM 2000 in standby 24x7

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-07 13:50:43 UTC
From: Hans Remeeus
Topic: 4657 Message: 4658

Hello Callum,

I don't think it is better for the amp and its tubes to stay 24x7
switched on. It will not harm your Acom2000A if you switch it on a
couple of times during the day.

I always let the switch on the frontpanel of the 2000A in the ON
position and only use the RCU to switch the 2000A on and off. When I go
to bed or outside the house for more then a couple of hours, I switch
off the whole shack's electricity. I do this for many years and my 2000A
is 7,5 years old.

Letting everything switched on 24x7 certainly is'nt good for your
electricity bill ;-)

All the best and 73!

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-1-2012 14:23, Callum McC schreef:
> Because the amp is so quiet, I sometimes shut down my shack and forget to
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[Non-text portions of this message have been removed]

4659. RE: [acom-list] Leaving ACOM 2000 in standby 24x7

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-07 14:35:00 UTC
From: Callum McC
Topic: 4657 Message: 4659

Thanks for your input Hans.

I never switch the ACOM off at the mains, only the RCU. I will remain happy with my procedure now that you have explained yours. Good work. Tnx.

73.

C.

[Non-text portions of this message have been removed]

4660. RE: [acom-list] Leaving ACOM 2000 in standby 24x7

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-07 16:23:11 UTC
From: N2TK, Tony
Topic: 4657 Message: 4660

Hi Callum,

My 2000A is on most of the time during the winter months. I figure it doesn't hurt anything and if I want to work someone, especially on the low bands I don't have to wait for the amp to cycle.

In the summertime I usually have the amp off from the RCU. But since my amp is down in the basement I almost never turn off the main OFF-ON switch.

73,

N2TK, tony.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Callum McC
Sent: Saturday, January 07, 2012 8:24 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Leaving ACOM 2000 in standby 24x7

Because the amp is so quiet, I sometimes shut down my shack and forget to turn the amp off. The amp lives on top of it's flightcase under my desk with the control unit tucked out the way.

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4661. Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-08 16:13:49 UTC
From: Bruce Meier
Topic: 4661 Message: 4661

Where and how would one go about getting one of the tech manuals?

73,

Bruce - N1LN

[Non-text portions of this message have been removed]

4662. Re: [acom-list] Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-06 22:54:47 UTC
From: LA7SL Nils Petter
Topic: 4661 Message: 4662

You should contact Acom and ask for it. They will need your amp
serial number. I did and got a CD from Bulgaria containing schematics
and voltage charts plus a lot of other info.
73's de LA7SL Peter

----- Original Message -----
From: Bruce Meier
To: acom-list@yahoogroups.com
Sent: Sunday, January 08, 2012 5:13 PM
Subject: [acom-list] Tech Manual

Where and how would one go about getting one of the tech manuals?

73,

Bruce - N1LN

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4663. Re: [acom-list] Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-08 20:42:46 UTC
From: Brian Alsop
Topic: 4661 Message: 4663

Bruce,

I'll mail you a CD with schematics, PCB layouts et al. Over 100 meg of stuff.

The vintage is circa 8 years ago.

73 de Brian/K3KO

On 1/8/2012 16:13, Bruce Meier wrote:
> Where and how would one go about getting one of the tech manuals?
>
> 73,
>
> Bruce - N1LN
>
> [Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1416 / Virus Database: 2109/4130 - Release Date: 01/08/12

4664. Acom 2000a: "Screen voltage on before time out over" message during startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-09 03:37:10 UTC
From: James
Topic: 4664 Message: 4664

Dear Acom 2000a experts,

I am the enthusiastic new owner of a used Acom 2000a.

I consistently receive this error

("Screen voltage on before time out over")

after the timer counts down and hits zero.

I have run the memory reset, tried this a half dozen times, and I have removed the anode caps of both tubes in an attempt to remove the tubes as the source of error. Same error message.

I have heard from DL2CC about the possibility of a burned out resistor and have also read about C2 failing.

If you are familiar with his failure mode and the likely components to inspect - please let me know, and if possible reference a picture showing the board and component to inspect.

Thank you in advance for your help!

Sincerely,

Jim Nitzberg WX3B

4665. Re: [acom-list] Acom 2000a: "Screen voltage on before time out over" message during startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-09 05:17:12 UTC
From: Natale Borghetti
Topic: 4664 Message: 4665

Hi James

I had a similar problem....and with help of Acom..I find out was one of the tube.

Please read message exchange

Good luck

i5NPH

Natale
Hello Natale,

The results (18V) confirms my suspection. Either tube has an internal leakage or vacuum degradation and the anode voltage leaks some current into the screen grid circuit and increases the off-state voltage. The protection trips when the voltage exceeds 20V and it is just at the threshold now. You may check the ceramic surface between the anode and the screen grid for any contamination but most likely the problem is inside the tube. The remedy is tubes replacement.

Please see attached tubes replacement instruction. Please note that the tubes should be with close characteristics and that the idling current should be re-adjusted after the replacement (see the attached picture).

Should you have further questions please feel free to contact ACOM again.

73 Stan LZ1IU

----- Original Message -----
From: Natale Borghetti
To: Stanimir Lekov
Sent: Thursday, November 17, 2011 2:06 PM
Subject: Re: Screen grid voltage in ACOM2000A

Hi Stan

Thanks for your answer:

SCREEN-V during Stand By mode is 18V
SCREEN-V during Operating is 332-334 V

Waiting suggestion

73

Natale

----- Original Message -----
From: Stanimir Lekov
To: Natale Borghetti
Sent: Thursday, November 17, 2011 12:57 PM
Subject: Screen grid voltage in ACOM2000A

Dear Natale,

Please enter the MEASURE menu and copy for me the SCREEN-V during Stand
By mode - it should be below 15V. Then go to OPER mode and copy the value
again - it should be 340V (330 to 350 is acceptable).

My expectation is that the STBY voltage is nearly 20V where a protection
trips. Normally this requires tubes replacement.

Please give me the serial number of your amplifier.

73 Stan LZ1IU
Sofia, 17 November 2011.
----- Original Message -----
From: Natale Borghetti
To: acom@...
Sent: Thursday, November 17, 2011 12:55 PM
Subject: Acom 2000A

I need your advice:

Very often but NOT always my Acom2000A after has completed the warming
time period go in protection and I have the following warning message:

SCREEN VOLTAGE BEFORE TIMEOUT OVER

I hope you could give some suggestions

Thank you in advance

Natale Borghetti

I5NPH

i5nph@...

----- Original Message -----
From: "James" <wx3b@...>
To: <acom-list@yahoogroups.com>
Sent: Monday, January 09, 2012 4:37 AM
Subject: [acom-list] Acom 2000a: "Screen voltage on before time out over"
message during startup

> Dear Acom 2000a experts,
>

> I am the enthusiastic new owner of a used Acom 2000a.
>
> I consistently receive this error
>
> ("Screen voltage on before time out over")
>
> after the timer counts down and hits zero.
>
> I have run the memory reset, tried this a half dozen times, and I have
> removed the anode caps of both tubes in an attempt to remove the tubes as
> the source of error. Same error message.
>
> I have heard from DL2CC about the possibility of a burned out resistor and
> have also read about C2 failing.
>
> If you are familiar with his failure mode and the likely components to
> inspect - please let me know, and if possible reference a picture showing
> the board and component to inspect.
>
> Thank you in advance for your help!
>
> Sincerely,
>
>
> Jim Nitzberg WX3B
>
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> Yahoo! Groups Links
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4666. Re: Acom 2000a: "Screen voltage on before time out over" message during startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-09 18:04:55 UTC
From: dickgreen03755
Topic: 4664 Message: 4666

I would also suspect the tubes. Back about 12 years ago, when I got my 2000A, the amp immediately faulted with an error related to the screen voltage (can't remember which message, but not the same as yours.) Krassy deduced the cause as a bad tube and told me that the screens in these tubes are very delicate and sometimes get damaged in shipping.

Unfortunately, you can't just stick in a new tube. The tubes should be matched and there's a somewhat involved process for setting the bias. In the old days, Acom wasn't comfortable with owners doing it, so I had to bring the amp to Krassy for repair. Now the instructions for replacing the tubes are in the file section of this Yahoo group and you can do it yourself.

I should mention that Krassy went out of his way to make the repair easy for me. I had a conference to attend at a hotel in Boston, which is a couple of hours from my QTH and an hour or so from his. I brought the amp with me and Krassy picked it up at the hotel, brought it back to his place, then delivered it back to me, repaired, by the end of the day. Quick and painless for me.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "Natale Borghetti" <i5nph@...> wrote:
>
> Hi James
>
> I had a similar problem....and with help of Acom..I find out was one of the
> tube.
>
> Please read message exchange
>
> Good luck
>
> i5NPH
>
> Natale
> Hello Natale,
>
> The results (18V) confirms my suspection. Either tube has an internal
> leakage or vacuum degradation and the anode voltage leaks some current into
> the screen grid circuit and increases the off-state voltage. The protection
> trips when the voltage exceeds 20V and it is just at the threshold now. You
> may check the ceramic surface between the anode and the screen grid for any
> contamination but most likely the problem is inside the tube. The remedy is
> tubes replacement.
>
> Please see attached tubes replacement instruction. Please note that the
> tubes should be with close characteristics and that the idling current

> should be re-adjusted after the replacement (see the attached picture).
>
> Should you have further questions please feel free to contact ACOM again.
>
> 73 Stan LZ1IU
>
> ----- Original Message -----
> From: Natale Borghetti
> To: Stanimir Lekov
> Sent: Thursday, November 17, 2011 2:06 PM
> Subject: Re: Screen grid voltage in ACOM2000A
>
>
> Hi Stan
>
> Thanks for your answer:
>
> SCREEN-V during Stand By mode is 18V
> SCREEN-V during Operating is 332-334 V
>
> Waiting suggestion
>
> 73
>
> Natale
>
>
>
> ----- Original Message -----
> From: Stanimir Lekov
> To: Natale Borghetti
> Sent: Thursday, November 17, 2011 12:57 PM
> Subject: Screen grid voltage in ACOM2000A
>
>
> Dear Natale,
>
> Please enter the MEASURE menu and copy for me the SCREEN-V during Stand
> By mode - it should be below 15V. Then go to OPER mode and copy the value
> again - it should be 340V (330 to 350 is acceptable).
>
> My expectation is that the STBY voltage is nearly 20V where a protection
> trips. Normally this requires tubes replacement.
>
> Please give me the serial number of your amplifier.
>
> 73 Stan LZ1IU
> Sofia, 17 November 2011.
> ----- Original Message -----
> From: Natale Borghetti

> To: acom@...
> Sent: Thursday, November 17, 2011 12:55 PM
> Subject: Acom 2000A
>
>
> I need your advice:
>
> Very often but NOT always my Acom2000A after has completed the warming
> time period go in protection and I have the following warning message:
>
> SCREEN VOLTAGE BEFORE TIMEOUT OVER
>
> I hope you could give some suggestions
>
> Thank you in advance
>
>
>
> Natale Borghetti
>
> I5NPH
>
> i5nph@...
>
>
> ---
>
>
> ----- Original Message -----
> From: "James" <wx3b@...>
> To: <acom-list@yahoogroups.com>
> Sent: Monday, January 09, 2012 4:37 AM
> Subject: [acom-list] Acom 2000a: "Screen voltage on before time out over"
> message during startup
>
>
> > Dear Acom 2000a experts,
> >
> > I am the enthusiastic new owner of a used Acom 2000a.
> >
> > I consistently receive this error
> >
> > ("Screen voltage on before time out over")
> >
> > after the timer counts down and hits zero.
> >
> > I have run the memory reset, tried this a half dozen times, and I have
> > removed the anode caps of both tubes in an attempt to remove the tubes as
> > the source of error. Same error message.
> >

> > I have heard from DL2CC about the possibility of a burned out resistor and
> > have also read about C2 failing.
> >
> > If you are familiar with his failure mode and the likely components to
> > inspect - please let me know, and if possible reference a picture showing
> > the board and component to inspect.
> >
> > Thank you in advance for your help!
> >
> > Sincerely,
> >
> >
> > Jim Nitzberg WX3B
> >
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> >
> > Yahoo! Groups Links
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4667. Re: Acom 2000a: "Screen voltage on before time out over" message during startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-10 01:45:08 UTC
From: James
Topic: 4664 Message: 4667

Hi Dick, Natale and other Acom 2000a enthusiasts,

Thanks to a good friend (N3KS) I borrowed a nice pair of new tubes this evening, and now have RULED OUT the tubes for causing this

"Screen voltage on before time out over"

message. It failed identically to how it failed with the old tubes.

I plan to follow-up with Acom later this week and see if there are any other good guesses.

Thanks for your thoughts and suggestions.

73,

Jim WX3B

--- In acom-list@yahoogroups.com, "dickgreen03755" <wc1m73@...> wrote:
>
> I would also suspect the tubes. Back about 12 years ago, when I got my 2000A, the amp immediately faulted with an error related to the screen voltage (can't remember which message, but not the same as yours.) Krassy deduced the cause as a bad tube and told me that the screens in these tubes are very delicate and sometimes get damaged in shipping.
>
> Unfortunately, you can't just stick in a new tube. The tubes should be matched and there's a somewhat involved process for setting the bias. In the old days, Acom wasn't comfortable with owners doing it, so I had to bring the amp to Krassy for repair. Now the instructions for replacing the tubes are in the file section of this Yahoo group and you can do it yourself.
>
> I should mention that Krassy went out of his way to make the repair easy for me. I had a conference to attend at a hotel in Boston, which is a couple of hours from my QTH and an hour or so from his. I brought the amp with me and Krassy picked it up at the hotel, brought it back to his place, then delivered it back to me, repaired, by the end of the day. Quick and painless for me.
>
> 73, Dick WC1M
>
> --- In acom-list@yahoogroups.com, "Natale Borghetti" <i5nph@> wrote:
> >
> > Hi James
> >
> > I had a similar problem....and with help of Acom..I find out was one of the
> > tube.
> >

> > Please read message exchange
> >
> > Good luck
> >
> > i5NPH
> >
> > Natale
> > Hello Natale,
> >
> > The results (18V) confirms my suspection. Either tube has an internal
> > leakage or vacuum degradation and the anode voltage leaks some current into
> > the screen grid circuit and increases the off-state voltage. The protection
> > trips when the voltage exceeds 20V and it is just at the threshold now. You
> > may check the ceramic surface between the anode and the screen grid for any
> > contamination but most likely the problem is inside the tube. The remedy is
> > tubes replacement.
> >
> > Please see attached tubes replacement instruction. Please note that the
> > tubes should be with close characteristics and that the idling current
> > should be re-adjusted after the replacement (see the attached picture).
> >
> > Should you have further questions please feel free to contact ACOM again.
> >
> > 73 Stan LZ1IU
> >
> > ----- Original Message -----
> > From: Natale Borghetti
> > To: Stanimir Lekov
> > Sent: Thursday, November 17, 2011 2:06 PM
> > Subject: Re: Screen grid voltage in ACOM2000A
> >
> >
> > Hi Stan
> >
> > Thanks for your answer:
> >
> > SCREEN-V during Stand By mode is 18V
> > SCREEN-V during Operating is 332-334 V
> >
> > Waiting suggestion
> >
> > 73
> >
> > Natale
> >
> >
> >
> > ----- Original Message -----
> > From: Stanimir Lekov
> > To: Natale Borghetti

> > Sent: Thursday, November 17, 2011 12:57 PM
> > Subject: Screen grid voltage in ACOM2000A
> >
> >
> > Dear Natale,
> >
> > Please enter the MEASURE menu and copy for me the SCREEN-V during Stand
> > By mode - it should be below 15V. Then go to OPER mode and copy the value
> > again - it should be 340V (330 to 350 is acceptable).
> >
> > My expectation is that the STBY voltage is nearly 20V where a protection
> > trips. Normally this requires tubes replacement.
> >
> > Please give me the serial number of your amplifier.
> >
> > 73 Stan LZ1IU
> > Sofia, 17 November 2011.
> > ----- Original Message -----
> > From: Natale Borghetti
> > To: acom@
> > Sent: Thursday, November 17, 2011 12:55 PM
> > Subject: Acom 2000A
> >
> >
> > I need your advice:
> >
> > Very often but NOT always my Acom2000A after has completed the warming
> > time period go in protection and I have the following warning message:
> >
> > SCREEN VOLTAGE BEFORE TIMEOUT OVER
> >
> > I hope you could give some suggestions
> >
> > Thank you in advance
> >
> >
> >
> > Natale Borghetti
> >
> > I5NPH
> >
> > i5nph@
> >
> >
> > ---
> >
> >
> > ----- Original Message -----
> > From: "James" <wx3b@>
> > To: <acom-list@yahoogroups.com>

> > Sent: Monday, January 09, 2012 4:37 AM
> > Subject: [acom-list] Acom 2000a: "Screen voltage on before time out over"
> > message during startup
> >
> >
> > > Dear Acom 2000a experts,
> > >
> > > I am the enthusiastic new owner of a used Acom 2000a.
> > >
> > > I consistently receive this error
> > >
> > > ("Screen voltage on before time out over")
> > >
> > > after the timer counts down and hits zero.
> > >
> > > I have run the memory reset, tried this a half dozen times, and I have
> > > removed the anode caps of both tubes in an attempt to remove the tubes as
> > > the source of error. Same error message.
> > >
> > > I have heard from DL2CC about the possibility of a burned out resistor and
> > > have also read about C2 failing.
> > >
> > > If you are familiar with his failure mode and the likely components to
> > > inspect - please let me know, and if possible reference a picture showing
> > > the board and component to inspect.
> > >
> > > Thank you in advance for your help!
> > >
> > > Sincerely,
> > >
> > >
> > > Jim Nitzberg WX3B
> > >
> > >
> > >
> > >
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> > >
> > > Yahoo! Groups Links
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>

4668. Re: Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-14 02:50:19 UTC
From: ** N8NOE **
Topic: 4661 Message: 4668

Brian, Can you POST it Somewhere, I'd like to have that myself here?..
I Could put it on the Back side of my QSL.NET page if you like Also?.
THANKS!..
Jeff-N8NOE

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> Bruce,
>
> I'll mail you a CD with schematics, PCB layouts et al. Over 100 meg of
> stuff.
>
> The vintage is circa 8 years ago.
>
> 73 de Brian/K3KO
>
> On 1/8/2012 16:13, Bruce Meier wrote:
> > Where and how would one go about getting one of the tech manuals?
> >
> > 73,
> >
> > Bruce - N1LN
> >
> > [Non-text portions of this message have been removed]
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1416 / Virus Database: 2109/4130 - Release Date: 01/08/12
>

4669. Re: [acom-list] Re: Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-14 09:43:16 UTC
From: Thomas Herrmann
Topic: 4661 Message: 4669

Me too.

Using a rather early one, there will be problems later on. So I'm interested in a source to get access onto the technical manual also.
73 de Thomas, DL1AMQ

Von: "** N8NOE **" <N8NOE@...>
Gesendet: 14.01.2012 03:50:19
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: Tech Manual

Brian, Can you POST it Somewhere, I'd like to have that myself here?..
I Could put it on the Back side of my QSL.NET page if you like Also?.
THANKS!..
Jeff-N8NOE

--- In acom-list@yahoogroups.com[mailto:acom-list%40yahoogroups.com], Brian Alsop <alsopb@...> wrote:
>
> Bruce,
>
> I'll mail you a CD with schematics, PCB layouts et al. Over 100 meg of
> stuff.
>
> The vintage is circa 8 years ago.
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> 73 de Brian/K3KO
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> On 1/8/2012 16:13, Bruce Meier wrote:
> > Where and how would one go about getting one of the tech manuals?
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> >
> > Bruce - N1LN
> >
> > [Non-text portions of this message have been removed]
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1416 / Virus Database: 2109/4130 - Release Date: 01/08/12
>

_____
SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192

4670. Re: [acom-list] Re: Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-14 10:20:54 UTC
From: Brian Alsop
Topic: 4661 Message: 4670

Guys,

I sent Bruce what I had because he bought the 2000 from me. I'm not
sure about copyright issues and won't distribute it to anyone else.

Some or most of the information may be available in the ACOM reflector
"files" section,

73 de Brian/K3KO

On 1/14/2012 09:43, Thomas Herrmann wrote:
>
> Me too.
>
> Using a rather early one, there will be problems later on. So I'm
> interested in a source to get access onto the technical manual also.
> 73 de Thomas, DL1AMQ
>
> ----------
> Von: "** N8NOE **" <N8NOE@... <mailto:N8NOE%40ARRL.NET>>
> Gesendet: 14.01.2012 03:50:19
> An: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Betreff: [acom-list] Re: Tech Manual
>
>
>
> Brian, Can you POST it Somewhere, I'd like to have that myself here?..
> I Could put it on the Back side of my QSL.NET page if you like Also?.
> THANKS!..
> Jeff-N8NOE
>
> --- In acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>[mailto:acom-list%40yahoogroups.com], Brian
> Alsop <alsopb@...> wrote:
> >
> > Bruce,
> >
> > I'll mail you a CD with schematics, PCB layouts et al. Over 100 meg of
> > stuff.
> >
> > The vintage is circa 8 years ago.
> >
> > 73 de Brian/K3KO
> >
> > On 1/8/2012 16:13, Bruce Meier wrote:
> > > Where and how would one go about getting one of the tech manuals?

> > >
> > > 73,
> > >
> > > Bruce - N1LN
> > >
> > > [Non-text portions of this message have been removed]
> >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 10.0.1416 / Virus Database: 2109/4130 - Release Date: 01/08/12
> >
>
>
> _____
> SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
> kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1416 / Virus Database: 2109/4140 - Release Date: 01/13/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1416 / Virus Database: 2109/4140 - Release Date: 01/13/12

4671. RE: [acom-list] Re: Tech Manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-14 13:12:09 UTC
From: Bob Naumann
Topic: 4661 Message: 4671

The tech CD for each amplifier is available from your Acom dealer - usually just for the cost of shipping.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Thomas Herrmann
Sent: Saturday, January 14, 2012 3:43 AM
To: acom-list@...m
Subject: Re: [acom-list] Re: Tech Manual

Me too.

Using a rather early one, there will be problems later on. So I'm interested in a source to get access onto the technical manual also.
73 de Thomas, DL1AMQ

Von: "** N8NOE **" <N8NOE@ARRL.NET>
Gesendet: 14.01.2012 03:50:19
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: Tech Manual

Brian, Can you POST it Somewhere, I'd like to have that myself here?..
I Could put it on the Back side of my QSL.NET page if you like Also?.
THANKS!..
Jeff-N8NOE

--- In acom-list@yahoogroups.com[mailto:acom-list%40yahoogroups.com], Brian Alsop <alsopb@...> wrote:
>
> Bruce,
>
> I'll mail you a CD with schematics, PCB layouts et al. Over 100 meg of
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> The vintage is circa 8 years ago.
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> 73 de Brian/K3KO
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> On 1/8/2012 16:13, Bruce Meier wrote:
> > Where and how would one go about getting one of the tech manuals?
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> > 73,
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> > Bruce - N1LN
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> > [Non-text portions of this message have been removed]
>
>
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> No virus found in this message.
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> Version: 10.0.1416 / Virus Database: 2109/4130 - Release Date: 01/08/12
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_____
SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192

Yahoo! Groups Links

4672. My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 10:10:36 UTC
From: dickflanagan
Topic: 4672 Message: 4672

This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?

What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.

Thanks for whatever knowledge you can share.

Dick Flanagan K7VC
Minden, NV

4673. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 10:44:49 UTC
From: hans@remeeus.eu
Topic: 4673 Message: 4673

Hello Dick,

Welcome to the Acom group!

You made a very good choice.

What are your favorite modes?
Are you participating in contests?
Do you like ESSB?
What is your exciter and what kind of antennas are you using?

73!

Hans Remeeus (PA1HR)
www.remeeus.eu
www.hansremeeus.nl
Communication is about people, the rest is technology.

----- Reply message -----
Van: "dickflanagan" <dick@...>
Aan: <acom-list@yahoogroups.com>
Onderwerp: [acom-list] My first ACOM
Datum: zo, jan. 15, 2012 11:10

This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?

What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.

Thanks for whatever knowledge you can share.

Dick Flanagan K7VC
Minden, NV

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4674. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 10:47:29 UTC
From: Barry N1EU
Topic: 4672 Message: 4674

I think the wisdom can be summarized as: you made a great decision Dick, congratulations! The amp is very well protected so no do's or don'ts immediately come to mind. The amp's fault detection system is sensitive but trustworthy - if it consistently says there's a problem, you need to troubleshoot and not ignore. If you ever do have a problem, troubleshooting help is easily obtained on this reflector and directly from Acom USA, Acom Bulgaria, and Array Solutions.

73,
Barry N1EU

On Sun, Jan 15, 2012 at 10:10 AM, dickflanagan <dick@...> wrote:

> **
>
>
> This coming Thursday I will be taking delivery of my very first ACOM, a
> 2000A. Can anyone summarize the wisdom that has come from this group over
> the past twelve years and almost 5,000 messages?
>
> What have you as a community learned that can possibly help me as I
> introduce myself to my new ACOM. Do's, not do's and don't ever do's.
>
> Thanks for whatever knowledge you can share.
>
> Dick Flanagan K7VC
> Minden, NV
>
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[Non-text portions of this message have been removed]

4675. Re: My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 11:26:24 UTC
From: Bruce
Topic: 4672 Message: 4675

Dick,
I will add my vote to the " you made a great decision..." assessment. I have only owned my Acom 2000A for about three months now but what a three months it has been. This is simply a beautifully built, quiet, capable piece of equipment that flat out works!

Before my Acom, I had an Alpha 9500 (three actually, each with unique and different "issues"/failures) over a period of about 18 months and in the end the only thing I liked about the 9500 was the automatic tuning of the amp. I decided to try an autotune amplifier one more time and with great trepidation I ordered the Acom. I needn't have worried, this amp flat out works! No more unexplained faults, no more incidents of smoke filling the shack (happened twice with Alpha number 2), no more screaming fan, no more vacuum relay that can be heard across the house, no more banishment to the "three minute penalty box" a phrase that was attached to my continually have to wait for the amp to re-set after a "fault" shut it down in the middle of a qso.

No fuss, no muss, the Acom is just a beautiful thing. I think this may be the nicest piece of ham gear I own!

73,
Bruce
AB1KC

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> I think the wisdom can be summarized as: you made a great decision Dick,
> congratulations! The amp is very well protected so no do's or don'ts
> immediately come to mind. The amp's fault detection system is sensitive
> but trustworthy - if it consistently says there's a problem, you need to
> troubleshoot and not ignore. If you ever do have a problem,
> troubleshooting help is easily obtained on this reflector and directly from
> Acom USA, Acom Bulgaria, and Array Solutions.
>
> 73,
> Barry N1EU
>
> On Sun, Jan 15, 2012 at 10:10 AM, dickflanagan <dick@...> wrote:
>
> > **
> > >
> > >
> > > This coming Thursday I will be taking delivery of my very first ACOM, a
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> > Thanks for whatever knowledge you can share.
> >
> > Dick Flanagan K7VC
> > Minden, NV
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> [Non-text portions of this message have been removed]
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4676. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 13:38:05 UTC
From: georgek5kg@aol.com
Topic: 4672 Message: 4676

Hello Dick,,

Congrats on your purchase of a 2000A. I have had mine for 6 or so years, and it has been fantastic.

Feed it with a good clean supply of 220 vac, and it should give you excellent service. Occasionally I will switch mine to a wrong antenna, and it will fault off due to high vswr. However, nothing I ever do to it seems to harm it; it just keeps on ticking.

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 1/15/2012 5:10:40 A.M. Eastern Standard Time, dick@... writes:

This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?

What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.

Thanks for whatever knowledge you can share.

Dick Flanagan K7VC
Minden, NV

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4677. RE: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 14:45:56 UTC
From: Callum McC
Topic: 4672 Message: 4677

I'm with George. Owner for 6 years too. I will say though that I can feed from a not-so-clean generator, or super-clean utility power and it seems to deliver the same results.

And of course, if I do something dumb (which is quite normal for me!), it bleeps at me and flashes a red light.

Best toy I've ever owned.

(And when you are bored with it, download James's fabulous ACOM 2000 remote software from www.m0yom.co.uk)

C.

[Non-text portions of this message have been removed]

4678. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 15:36:38 UTC
From: kg4lru@aol.com
Topic: 4672 Message: 4678

Dick

Welcome to the club my 2000A has been in service now over 9 years with 8500 hours and on its second set of tubes, it has been one of the best purchases I ever made in ham gear . I also owned 1000 also both of these amps have worked without failures causing me any expense for repairs. Remember to clean the filter every 6 months and amp should last a lifetime . Factory support is just email away for any tough technical question that your dealer can not answer .

73

Phil AI4DQ

In a message dated 1/15/2012 5:10:41 A.M. Eastern Standard Time, dick@... writes:

This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?

What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.

Thanks for whatever knowledge you can share.

Dick Flanagan K7VC
Minden, NV

[Non-text portions of this message have been removed]

4679. RE: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 17:44:31 UTC
From: N2TK, Tony
Topic: 4672 Message: 4679

Dick,

Have had the 2000A for 12 years. It has seen a lot of operating. I have had a few problems with it. But Array Solutions and Acom in Bulgaria give top notch service both email and over the phone.

I have so much faith in the amp that I don't even have it in the shack. The RCU is in the shack and the Amp is in the basement on a shelf where I have all my cabling, and grounding equipment.

You made a good choice with the 2000A.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of dickflanagan
Sent: Sunday, January 15, 2012 5:11 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] My first ACOM

This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?

What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.

Thanks for whatever knowledge you can share.

Dick Flanagan K7VC
Minden, NV

[Non-text portions of this message have been removed]

4680. ACOM - Simply the Best !!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 18:53:21 UTC
From: W1JCW
Topic: 4672 Message: 4680

One of the best pieces of equipment you will ever own !

Amen to all the comments about the Acom !

You will notice no one is complaining or having unresolved issues or bait and switch issues with Acom service.

Alpha just doesn't stack up to the Acom in so many ways mentioned through out these threads.

Enjoy the power and performance of the best !!

73-
W1JCW
John

[Non-text portions of this message have been removed]

4681. Another new Acom owner.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 19:01:42 UTC
From: Damon Cassell
Topic: 4681 Message: 4681

While I wish I could say it's a 2000A; in this case my new amp is a model 1011. My antennas are just wires, so this amp is a nice addition but not overkill. The unit was purchased from Array Solutions which, as everyone knows, was very responsive and answered all my questions before I pulled the trigger. The amp arrived in perfect condition and I had it integrated into my station easily, thanks to the straightforward manual.

This is my first linear amplifier in 22 years of being a ham. I could have paid half the price for an AL-811 and had the same power output, but the outstanding reviews and unquestionable quality difference steered me to Acom. The reputation of both Acom and Array Solutions in resolving customer issues was also a factor.

I'm happy to report my amp powered up perfectly and has been on the air with no difficulty whatsoever in a very short period of time and I really enjoy operating it. I have one question for the list which is a general one that probably applies to all tube type linear amplifiers. The manual warns that frequent cycles of turning on and off the amplifier can shorten tube life. How big of an issue is this? On weekdays I might operate several times for an hour or so in the evening. On the weekends I might operate 2, 3 or 4 different times during a day spanning the morning through evening. Am I better off leaving the amp in standby or can I shut it off and turn it back on 2-3 times per day (a few days per week) without significantly impacting tube life? Any advice appreciated.

Damon WU1T

[Non-text portions of this message have been removed]

4682. RE: [acom-list] Another new Acom owner.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 19:09:26 UTC
From: Callum McC
Topic: 4681 Message: 4682

Damon,

Good question, I would like to hear further debate on the topic from others. Most people here switch the amp on and off anytime they please. Others apparently switch it on in the morning and off at night using "one cycle". I'm still not quite sure exactly what I should be doing. Mine's been on all day and I still haven't used it - but I might need it later so I'm keeping it on now.

For reference, the stand-by current drain appears to be negligable.

Callum.

[Non-text portions of this message have been removed]

4683. Re: [acom-list] Another new Acom owner.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 19:19:01 UTC
From: Damon Cassell
Topic: 4681 Message: 4683

Callum, thanks for the comments. How did you measure standby current drain
and from a standby current perspective, what would an equivalent device be?
Also what model do you have? I have a few desktop computers in the house
that are on 24/7. That probably skews my power consumption here anyways.
But I was curious about this.

Damon WU1T

On Sun, Jan 15, 2012 at 2:09 PM, Callum McC <callum@...> wrote:

> **
>
>
> Damon,
>
> Good question, I would like to hear further debate on the topic from
> others.
> Most people here switch the amp on and off anytime they please. Others
> apparently switch it on in the morning and off at night using "one cycle".
> I'm still not quite sure exactly what I should be doing. Mine's been on all
> day and I still haven't used it - but I might need it later so I'm keeping
> it on now.
>
> For reference, the stand-by current drain appears to be negligable.
>
> Callum.
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4684. RE: [acom-list] Another new Acom owner.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 19:27:46 UTC
From: Callum McC
Topic: 4681 Message: 4684

Hello Damon,

I have an Acom 2000 and I watched my utility power meter change when I switched it off. The meter measured and re-displays every 5 seconds. It's about 100 watts or so.

I have just made another check and from a cold start, power consumption is considerably higher due to the tubes having to be warmed up. About 500 watts.

Callum
M0MCX

4685. Powering up the Acom amps.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:24:59 UTC
From: georgek5kg@aol.com
Topic: 4685 Message: 4685

Damon,

I have a 2000A and a 1010. Previously, I had an Acom 1000, which I sold and replaced it with the lighter weight 1010.

Here is what I do with respect to powering them up.

2000A - I generally leave the main power switch on unless I am going away from the shack (house) for a few days. When I am ready to operate, I turn on the amp from the control head. If my usage is going to be off and on over the weekend, I will leave it on all day. At the end of the day, I will turn it off at the control head, but leave the main power switch on.

Acom 1010 - I turn the amp on and leave it on for the weekend or a contest. I generally will turn it off when quitting for the day. I take the 1010 on dxpeditions where there generally is no air conditioning and, therefore, there is humidity. I leave the amp turned on for the entire duration of the dxpedition which may be a week or two. I found that with an old tube amp (AL-572) that if I turned it off overnight that moisture would condense on the tubes which would create arching (and fuse blowing) when I turned it back on in the morning. I learned to leave that amp on for the duration of the dxpedition, which I now do with my 1010 since it is also a tube amp. In fact, I leave all equipment, including my K3, turned on for the entire duration of my dxpedition operations.

There is a caution about powering up the 1010 that I want to mention, as it may be the same in your 1011. That is, when the amp powers up, it comes alive in the "operate" mode. With my 1010, I watch it closely when I am waiting for it to "come alive", so I can turn the Operate switch off until I am ready to apply RF and tune it.

I hope this helps.

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 1/15/2012 2:01:44 P.M. Eastern Standard Time, dcassell@... writes:

On weekdays I might operate several
times for an hour or so in the evening. On the weekends I might operate 2, 3 or 4 different times during a day spanning the morning through evening. Am I better off leaving the amp in standby or can I shut it off and turn it back on 2-3 times per day (a few days per week) without significantly

impacting tube life? Any advice appreciated.

[Non-text portions of this message have been removed]

4686. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:41:43 UTC
From: Dick Flanagan
Topic: 4673 Message: 4686

Hi, Hans.

I am primarily a RTTY operator with SSB coming in second.

I am fond of RTTY contests which is where I have broken my old reliable AL-1200 twice.

I am not familiar with ESSB.

I am using an Icom IC-7700 as an exciter into a Hy-Gain TH11DX, Cushcraft 40-2CD, W7INN inverted-V and Gap Voyager DX-IV.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 2:44 AM, hans@... wrote:
> Hello Dick,
>
> Welcome to the Acom group!
>
> You made a very good choice.
>
> What are your favorite modes?
> Are you participating in contests?
> Do you like ESSB?
> What is your exciter and what kind of antennas are you using?
>
> 73!
>
> Hans Remeeus (PA1HR)
> www.remeeus.eu
> www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
> ----- Reply message -----
> Van: "dickflanagan"<dick@...>
> Aan:<acom-list@yahoogroups.com>
> Onderwerp: [acom-list] My first ACOM
> Datum: zo, jan. 15, 2012 11:10
>
>
> This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost

5,000 messages?
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> What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.
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> Dick Flanagan K7VC
> Minden, NV
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4687. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:46:20 UTC
From: Dick Flanagan
Topic: 4672 Message: 4687

Thanks for the welcome, Barry. As I recently mentioned to Bob Naumann,
I'm not interested in a 2KW amp, just a set-it-and-forget-it 1.5KW
transceiver. When I get my AL-1200 back from Ameritron (I don't like
the sizzling sounds coming from the final cage), I will probably keep it
as a SSB backup and sell my venerable old Drake L-4B.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 2:47 AM, Barry N1EU wrote:
> I think the wisdom can be summarized as: you made a great decision Dick,
> congratulations! The amp is very well protected so no do's or don'ts
> immediately come to mind. The amp's fault detection system is sensitive
> but trustworthy - if it consistently says there's a problem, you need to
> troubleshoot and not ignore. If you ever do have a problem,
> troubleshooting help is easily obtained on this reflector and directly from
> Acom USA, Acom Bulgaria, and Array Solutions.
>
> 73,
> Barry N1EU
>
> On Sun, Jan 15, 2012 at 10:10 AM, dickflanagan<dick@...> wrote:
>
>> **
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>> introduce myself to my new ACOM. Do's, not do's and don't ever do's.
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>> Thanks for whatever knowledge you can share.
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>> Dick Flanagan K7VC
>> Minden, NV
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4688. Re: [acom-list] Re: My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:48:22 UTC
From: Dick Flanagan
Topic: 4672 Message: 4688

Thanks, Bruce. I don't think ACOM could wish for a better
recommendation than that. Thursday can't get here soon enough for me!

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 3:26 AM, Bruce wrote:
> Dick,
> I will add my vote to the " you made a great decision..." assessment. I have only owned my Acom 2000A for about three months now but what a three months it has been. This is simply a beautifully built, quiet, capable piece of equipment that flat out works!
>
> Before my Acom, I had an Alpha 9500 (three actually, each with unique and different "issues"/failures) over a period of about 18 months and in the end the only thing I liked about the 9500 was the automatic tuning of the amp. I decided to try an autotune amplifier one more time and with great trepidation I ordered the Acom. I needn't have worried, this amp flat out works! No more unexplained faults, no more incidents of smoke filling the shack (happened twice with Alpha number 2), no more screaming fan, no more vacuum relay that can be heard across the house, no more banishment to the "three minute penalty box" a phrase that was attached to my continually have to wait for the amp to re-set after a "fault" shut it down in the middle of a qso.
>
> No fuss, no muss, the Acom is just a beautiful thing. I think this may be the nicest piece of ham gear I own!
>
> 73,
> Bruce
> AB1KC
>
>
>
> --- In acom-list@yahoogroups.com, Barry N1EU<barry.n1eu@...> wrote:
>> I think the wisdom can be summarized as: you made a great decision Dick,
>> congratulations! The amp is very well protected so no do's or don'ts
>> immediately come to mind. The amp's fault detection system is sensitive
>> but trustworthy - if it consistently says there's a problem, you need to
>> troubleshoot and not ignore. If you ever do have a problem,
>> troubleshooting help is easily obtained on this reflector and directly from
>> Acom USA, Acom Bulgaria, and Array Solutions.
>>
>> 73,
>> Barry N1EU
>>

>> On Sun, Jan 15, 2012 at 10:10 AM, dickflanagan<dick@...> wrote:
>>
>>> **
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>>>
>>> This coming Thursday I will be taking delivery of my very first ACOM, a
>>> 2000A. Can anyone summarize the wisdom that has come from this group over
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>>> Thanks for whatever knowledge you can share.
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>>> Dick Flanagan K7VC
>>> Minden, NV
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4689. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:49:31 UTC
From: Dick Flanagan
Topic: 4672 Message: 4689

Thank you, George. I hope my experience will be as good as yours.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 5:38 AM, georgek5kg@... wrote:
> Hello Dick,,
>
> Congrats on your purchase of a 2000A. I have had mine for 6 or so years,
> and it has been fantastic.
>
> Feed it with a good clean supply of 220 vac, and it should give you
> excellent service. Occasionally I will switch mine to a wrong antenna, and it
> will fault off due to high vswr. However, nothing I ever do to it seems to
> harm it; it just keeps on ticking.
>
> 73, Geo...
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
>
> In a message dated 1/15/2012 5:10:40 A.M. Eastern Standard Time,
> dick@... writes:
>
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> 2000A. Can anyone summarize the wisdom that has come from this group over
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> What have you as a community learned that can possibly help me as I
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> Minden, NV
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4690. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:53:15 UTC
From: Dick Flanagan
Topic: 4672 Message: 4690

Thank you, George. I will take a look at M0YOM's software if I ever get bored. :)

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 6:45 AM, Callum McC wrote:
> I'm with George. Owner for 6 years too. I will say though that I can feed
> from a not-so-clean generator, or super-clean utility power and it seems to
> deliver the same results.
>
> And of course, if I do something dumb (which is quite normal for me!), it
> bleeps at me and flashes a red light.
>
> Best toy I've ever owned.
>
> (And when you are bored with it, download James's fabulous ACOM 2000 remote
> software from www.m0yom.co.uk)
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4691. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:56:01 UTC
From: Dick Flanagan
Topic: 4672 Message: 4691

Thank, you Phil. MTBF is important to me as I am now getting ready to ship my AL-1200 off for its third round of repairs. Ameritron made a good amp, but it just can't handle full-power RTTY contesting. That is where I am hoping my ACOM will shine.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 7:36 AM, kg4lru@... wrote:
> Dick
>
> Welcome to the club my 2000A has been in service now over 9 years with 8500
> hours and on its second set of tubes, it has been one of the best
> purchases I ever made in ham gear . I also owned 1000 also both of these amps
> have worked without failures causing me any expense for repairs. Remember to
> clean the filter every 6 months and amp should last a lifetime . Factory
> support is just email away for any tough technical question that your dealer
> can not answer .
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>
>
> 73
>
> Phil AI4DQ
>
>
> In a message dated 1/15/2012 5:10:41 A.M. Eastern Standard Time,
> dick@... writes:
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> past twelve years and almost 5,000 messages?
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> Minden, NV

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4692. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 20:58:13 UTC
From: Dick Flanagan
Topic: 4672 Message: 4692

Hi, Tony.

Thank you for the vote of confidence for the 2000A. That kind of reliability is exactly what I am looking for. I am glad I didn't go for the big Alpha box. I am hearing nothing but problem reports regarding it.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 9:44 AM, N2TK, Tony wrote:
> Dick,
>
> Have had the 2000A for 12 years. It has seen a lot of operating. I have had
> a few problems with it. But Array Solutions and Acom in Bulgaria give top
> notch service both email and over the phone.
>
>
>
> I have so much faith in the amp that I don't even have it in the shack. The
> RCU is in the shack and the Amp is in the basement on a shelf where I have
> all my cabling, and grounding equipment.
>
>
>
> You made a good choice with the 2000A.
>
>
>
> 73,
>
> N2TK, Tony
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of dickflanagan
> Sent: Sunday, January 15, 2012 5:11 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] My first ACOM
>
>
>
>

> This coming Thursday I will be taking delivery of my very first ACOM, a
> 2000A. Can anyone summarize the wisdom that has come from this group over
> the past twelve years and almost 5,000 messages?
>
> What have you as a community learned that can possibly help me as I
> introduce myself to my new ACOM. Do's, not do's and don't ever do's.
>
> Thanks for whatever knowledge you can share.
>
> Dick Flanagan K7VC
> Minden, NV
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4693. Re: [acom-list] ACOM - Simply the Best !!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-15 21:00:32 UTC
From: Dick Flanagan
Topic: 4672 Message: 4693

Thank you, John.

Along with the exemplary words regarding the 2000A, I am also hearing nothing but kudos for the people who stand behind the gear. That is equally as important as the equipment itself.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/15/2012 10:53 AM, W1JCW wrote:
> One of the best pieces of equipment you will ever own !
>
> Amen to all the comments about the Acom !
>
> You will notice no one is complaining or having unresolved issues or bait and switch issues with Acom service.
>
> Alpha just doesn't stack up to the Acom in so many ways mentioned through out these threads.
>
> Enjoy the power and performance of the best !!
>
> 73-
> W1JCW
> John
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4694. Re: [acom-list] Powering up the Acom amps.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 04:39:18 UTC
From: Philippe ON4VP
Topic: 4685 Message: 4694

One of the better functions of the Acom 1000. You can program it to stay in stand-by instead of operate when tube is heated up after 150 sec.

73 Phil ON4VP

2012/1/15 <georgek5kg@...>

> **
>
>
> There is a caution about powering up the 1010 that I want to mention, as
> it
> may be the same in your 1011. That is, when the amp powers up, it comes
> alive in the "operate" mode. With my 1010, I watch it closely when I am
> waiting for it to "come alive", so I can turn the Operate switch off until
> I
> am ready to apply RF and tune it.
>
> On weekdays I might operate several
> times for an hour or so in the evening. On the weekends I might operate 2,
> 3 or 4 different times during a day spanning the morning through evening.
> Am I better off leaving the amp in standby or can I shut it off and turn it
> back on 2-3 times per day (a few days per week) without significantly
> impacting tube life? Any advice appreciated.
>
>
>

[Non-text portions of this message have been removed]

4695. 2nd Acom 1000 in the shack

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 04:48:05 UTC
From: Philippe ON4VP
Topic: 4695 Message: 4695

Hello group,

Like to (re)introduce myself. I've been an Acom user since 2001. I've owned the Acom 1000 for over 5 years. Sold it in 2006.
Last year, mid 2011, I was looking at a second Acom 1000 again but I've tried the SPE Expert 1K-FA that I found second hand in mint condition. However fan noise and transformer hum made me rethink my decision together with the fact that over 80 out of 1500 amps sold suffer from faulty rx/tx relais.
In my opinion the 1K-FA is made for 600 watt transmissions where it shines. 1KW is possible but puts stress on the design. Two best things were the 4 antenna inputs and no heating or tuning when spotting dx. Nevertheless I sold the 1K-FA and ordered the Acom 1000 again. I missed it to much. The exciter is a FT-950, antennas Optibeam yagi and dipoles for low band.
Info on qrz.com.

73, Phil ON4VP.

[Non-text portions of this message have been removed]

4696. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 12:34:54 UTC
From: Hans Remeeus
Topic: 4673 Message: 4696

Hello Dick,

Thanks for your reply; in this way I can give you a targeted response. I use my Acom2000A for 7,5 years no and still am a very very happy user!

1. When you do primarily RTTY I would advise to install the optional ventilator.
On my internetsite you can see some photo's of how I did this:
http://www.remeeus.eu/ham-radio/linear-amplifiers/acom-2000a-ebs-modification-and-installation-of-the-optional-fan.html

I mounted the Papst 4412 F/2GLL, but in the meantime I found an excellent alternative for this fan: the amazing NoiseBlocker M12P: http://www.noiseblocker.de/en/Multiframe120.php I installed this fan in my other amplifier, with very good results.

2. I don't think there is a need to do the EBS-modification as you do primarily RTTY.

3. The IC-7700 has no ability to use the KEY OUT function of the Acom2000A, but this feature is mainly interesting when you do a lot of QSK. I used the IC-7700 as exciter for the Acom2000A for 2,5 years and I did not notice any problems, like power spikes. The connection between the RELAY of the IC-7700 and the KEY IN on the Acom 2000A is enough for pleasant operating this setup.

4. The Acom2000A has the ability to handle SWR up to 1:3,0. However I notice that the protections of the Acom2000A sometimes are a little bit over-sensitive, not only in case of bad SWR but in other situations too. Never mind; you will learn yourself what is and what is not possible, like all the other amplifiers ;-)

5. The service of Acom is great! During 7,5 years using the Acom2000A I asked them a lot of questions and they always give a very kind, very fast and very comprehensive response, sometimes even with drawings, pictures and photos; all my compliments go to Acom!

6. I still use the same GU74b tubes after 1,896 hours on the airtime and still with +/- 15dB gain!

Enjoy your 2000A and let me know if you have any questions.

All the best and 73!

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 15-1-2012 21:41, Dick Flanagan schreef:
> Hi, Hans.
>
> I am primarily a RTTY operator with SSB coming in second.
>
> I am fond of RTTY contests which is where I have broken my old reliable
> AL-1200 twice.
>
> I am not familiar with ESSB.
>
> I am using an Icom IC-7700 as an exciter into a Hy-Gain TH11DX,
> Cushcraft 40-2CD, W7INN inverted-V and Gap Voyager DX-IV.
>
> Dick
>
> --
> Dick Flanagan K7VC
> dick@...
>
>
> On 1/15/2012 2:44 AM, hans@... wrote:
>> Hello Dick,
>>
>> Welcome to the Acom group!
>>
>> You made a very good choice.
>>
>> What are your favorite modes?
>> Are you participating in contests?
>> Do you like ESSB?
>> What is your exciter and what kind of antennas are you using?
>>
>> 73!
>>
>> Hans Remeeus (PA1HR)
>> www.remeeus.eu
>> www.hansremeeus.nl
>> Communication is about people, the rest is technology.
>>
>>
>> ----- Reply message -----
>> Van: "dickflanagan"<dick@...>
>> Aan:<acom-list@yahoogroups.com>
>> Onderwerp: [acom-list] My first ACOM
>> Datum: zo, jan. 15, 2012 11:10
>>
>>
>> This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?
>>

>> What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.
>>
>> Thanks for whatever knowledge you can share.
>>
>> Dick Flanagan K7VC
>> Minden, NV
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4697. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 18:48:23 UTC
From: Dick Flanagan
Topic: 4673 Message: 4697

Thanks for the follow-up, Hans. I made sure to have the factory fan installed by Array Solutions before the unit shipped. I've burned out my AL-1200 twice and I don't want to take any chances, even with a workhorse like the 2000A.

Best DX,

Dick

--
Dick Flanagan K7VC
dick@...

On 1/16/2012 4:34 AM, Hans Remeeus wrote:
> Hello Dick,
>
> Thanks for your reply; in this way I can give you a targeted response. I
> use my Acom2000A for 7,5 years no and still am a very very happy user!
>
> 1. When you do primarily RTTY I would advise to install the optional
> ventilator.
> On my internetsite you can see some photo's of how I did this:
> http://www.remeeus.eu/ham-radio/linear-amplifiers/acom-2000a-ebs-modification-and-instal
lation-of-the-optional-fan.html
>
> I mounted the Papst 4412 F/2GLL, but in the meantime I found an
> excellent alternative for this fan: the amazing NoiseBlocker M12P:
> http://www.noiseblocker.de/en/Multiframe120.php I installed this fan in
> my other amplifier, with very good results.
>
> 2. I don't think there is a need to do the EBS-modification as you do
> primarily RTTY.
>
> 3. The IC-7700 has no ability to use the KEY OUT function of the
> Acom2000A, but this feature is mainly interesting when you do a lot of QSK.
> I used the IC-7700 as exciter for the Acom2000A for 2,5 years and I did
> not notice any problems, like power spikes. The connection between the
> RELAY of the IC-7700 and the KEY IN on the Acom 2000A is enough for
> pleasant operating this setup.
>
> 4. The Acom2000A has the ability to handle SWR up to 1:3,0. However I
> notice that the protections of the Acom2000A sometimes are a little bit
> over-sensitive, not only in case of bad SWR but in other situations too.
> Never mind; you will learn yourself what is and what is not possible,
> like all the other amplifiers ;-)
>

> 5. The service of Acom is great! During 7,5 years using the Acom2000A I
> asked them a lot of questions and they always give a very kind, very
> fast and very comprehensive response, sometimes even with drawings,
> pictures and photos; all my compliments go to Acom!
>
> 6. I still use the same GU74b tubes after 1,896 hours on the airtime and
> still with +/- 15dB gain!
>
> Enjoy your 2000A and let me know if you have any questions.
>
> All the best and 73!
>
>
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
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>
> Op 15-1-2012 21:41, Dick Flanagan schreef:
>> Hi, Hans.
>>
>> I am primarily a RTTY operator with SSB coming in second.
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>> I am fond of RTTY contests which is where I have broken my old reliable
>> AL-1200 twice.
>>
>> I am not familiar with ESSB.
>>
>> I am using an Icom IC-7700 as an exciter into a Hy-Gain TH11DX,
>> Cushcraft 40-2CD, W7INN inverted-V and Gap Voyager DX-IV.
>>
>> Dick
>>
>> --
>> Dick Flanagan K7VC
>> dick@...
>>
>>
>> On 1/15/2012 2:44 AM, hans@... wrote:
>>> Hello Dick,
>>>
>>> Welcome to the Acom group!
>>>
>>> You made a very good choice.
>>>
>>> What are your favorite modes?
>>> Are you participating in contests?
>>> Do you like ESSB?

>>> What is your exciter and what kind of antennas are you using?
>>>
>>> 73!
>>>
>>> Hans Remeeus (PA1HR)
>>> www.remeeus.eu
>>> www.hansremeeus.nl
>>> Communication is about people, the rest is technology.
>>>
>>>
>>> ----- Reply message -----
>>> Van: "dickflanagan"<dick@...>
>>> Aan:<acom-list@yahoogroups.com>
>>> Onderwerp: [acom-list] My first ACOM
>>> Datum: zo, jan. 15, 2012 11:10
>>>
>>>
>>> This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?
>>>
>>> What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.
>>>
>>> Thanks for whatever knowledge you can share.
>>>
>>> Dick Flanagan K7VC
>>> Minden, NV
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4698. Re: My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 19:03:15 UTC
From: tomi.j.kallio@kolumbus.fi
Topic: 4673 Message: 4698

Hi,

Keep output power max 800W when you run RTTY contest.
Monitor Tube temperatures, it should be under 80C

You need extra fan and enough RPM for it, otherwise temps will raise.
1500 W is possible but why take the risk.

My tubes seen over 4000 hours
Power gain is 15db and temp variation between tubes are under 2C.

Keep it cool.

-Tomi OH2BBT

--- In acom-list@yahoogroups.com, Dick Flanagan <dick@...> wrote:
>
> Hi, Hans.
>
> I am primarily a RTTY operator with SSB coming in second.
>
> I am fond of RTTY contests which is where I have broken my old reliable
> AL-1200 twice.
>
> I am not familiar with ESSB.
>
> I am using an Icom IC-7700 as an exciter into a Hy-Gain TH11DX,
> Cushcraft 40-2CD, W7INN inverted-V and Gap Voyager DX-IV.
>
> Dick
>
> --
> Dick Flanagan K7VC
> dick@...
>
>
> On 1/15/2012 2:44 AM, hans@... wrote:
> > Hello Dick,
> >
> > Welcome to the Acom group!
> >
> > You made a very good choice.
> >
> > What are your favorite modes?
> > Are you participating in contests?
> > Do you like ESSB?

> > What is your exciter and what kind of antennas are you using?
> >
> > 73!
> >
> > Hans Remeeus (PA1HR)
> > www.remeeus.eu
> > www.hansremeeus.nl
> > Communication is about people, the rest is technology.
> >
> >
> > ----- Reply message -----
> > Van: "dickflanagan"<dick@...>
> > Aan:<acom-list@...m>
> > Onderwerp: [acom-list] My first ACOM
> > Datum: zo, jan. 15, 2012 11:10
> >
> >
> > This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?
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> > What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.
> >
> > Thanks for whatever knowledge you can share.
> >
> > Dick Flanagan K7VC
> > Minden, NV
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4699. Re: [acom-list] Re: My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 20:28:31 UTC
From: Val
Topic: 4672 Message: 4699

Tomi,

I think that this is exaggerated! Under 80C would be fine if the finals were solid state. But according to the specification, those tubes are OK up to 250C. I won't be concerned if I see 100-120C during a contest. And respectively would almost double the proposed 800W.

73, Val LZ1VB

> Keep output power max 800W when you run RTTY contest.
> Monitor Tube temperatures, it should be under 80C
>
> Keep it cool.
>
> -Tomi OH2BBT

4700. Re: My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-16 20:55:44 UTC
From: tomi.j.kallio@kolumbus.fi
Topic: 4672 Message: 4700

Hi Val

It's perhaps exaggerated but it's how I run RTTY contests.
Extra 3db is not so important to me.
I think it wont last long if used at full power in RTTY contest.

73, Tomi OH2BBT

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> Tomi,
>
> I think that this is exaggerated! Under 80C would be fine if the finals were
> solid state. But according to the specification, those tubes are OK up to
> 250C. I won't be concerned if I see 100-120C during a contest. And
> respectively would almost double the proposed 800W.
>
> 73, Val LZ1VB
>
>
> > Keep output power max 800W when you run RTTY contest.
> > Monitor Tube temperatures, it should be under 80C
> >
> > Keep it cool.
> >
> > -Tomi OH2BBT
>

4701. RE: [acom-list] Re: My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-17 00:18:18 UTC
From: N2TK, Tony
Topic: 4673 Message: 4701

Why keep the temp so low? I thought the temp cutout is at 130C? I have never seen an issue with running 1500W on RTTY.

Got over 6K hours on the first set of tubes.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of tomi.j.kallio@...
Sent: Monday, January 16, 2012 2:03 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: My first ACOM

Hi,

Keep output power max 800W when you run RTTY contest.
Monitor Tube temperatures, it should be under 80C

You need extra fan and enough RPM for it, otherwise temps will raise.
1500 W is possible but why take the risk.

My tubes seen over 4000 hours
Power gain is 15db and temp variation between tubes are under 2C.

Keep it cool.

-Tomi OH2BBT

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , Dick Flanagan <dick@...> wrote:
>
> Hi, Hans.
>
> I am primarily a RTTY operator with SSB coming in second.
>
> I am fond of RTTY contests which is where I have broken my old reliable
> AL-1200 twice.
>
> I am not familiar with ESSB.
>
> I am using an Icom IC-7700 as an exciter into a Hy-Gain TH11DX,
> Cushcraft 40-2CD, W7INN inverted-V and Gap Voyager DX-IV.
>
> Dick
>
> --
> Dick Flanagan K7VC

> dick@...
>
>
> On 1/15/2012 2:44 AM, hans@... wrote:
> > Hello Dick,
> >
> > Welcome to the Acom group!
> >
> > You made a very good choice.
> >
> > What are your favorite modes?
> > Are you participating in contests?
> > Do you like ESSB?
> > What is your exciter and what kind of antennas are you using?
> >
> > 73!
> >
> > Hans Remeeus (PA1HR)
> > www.remeeus.eu
> > www.hansremeeus.nl
> > Communication is about people, the rest is technology.
> >
> >
> > ----- Reply message -----
> > Van: "dickflanagan"<dick@...>
> > Aan:<acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> >
> > Onderwerp: [acom-list] My first ACOM
> > Datum: zo, jan. 15, 2012 11:10
> >
> >
> > This coming Thursday I will be taking delivery of my very first ACOM, a
2000A. Can anyone summarize the wisdom that has come from this group over
the past twelve years and almost 5,000 messages?
> >
> > What have you as a community learned that can possibly help me as I
introduce myself to my new ACOM. Do's, not do's and don't ever do's.
> >
> > Thanks for whatever knowledge you can share.
> >
> > Dick Flanagan K7VC
> > Minden, NV
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[Non-text portions of this message have been removed]

4702. RE: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-17 08:09:49 UTC
From: Kjeld Holm
Topic: 4672 Message: 4702

Dear Dick,

I can just second all the nice things said about the Acom 2000A (bought mine secondhand a few months ago).

If you have a number of antennas I can recommend Acom 2000S and 2000SW. Not cheap but very good and really nice to have.

Best regards

OZ1CCM Kjeld

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of dickflanagan
Sent: 15. januar 2012 11:11
To: acom-list@yahoogroups.com
Subject: [acom-list] My first ACOM

This coming Thursday I will be taking delivery of my very first ACOM, a 2000A. Can anyone summarize the wisdom that has come from this group over the past twelve years and almost 5,000 messages?

What have you as a community learned that can possibly help me as I introduce myself to my new ACOM. Do's, not do's and don't ever do's.

Thanks for whatever knowledge you can share.

Dick Flanagan K7VC
Minden, NV

[Non-text portions of this message have been removed]

4703. Re: [acom-list] My first ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-17 08:20:33 UTC
From: Dick Flanagan
Topic: 4672 Message: 4703

Thanks for the welcome and the advice, Kkeld. I will check out the ACOM antenna switches.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/17/2012 12:09 AM, Kjeld Holm wrote:
> Dear Dick,
>
>
>
> I can just second all the nice things said about the Acom 2000A (bought mine
> secondhand a few months ago).
>
>
>
> If you have a number of antennas I can recommend Acom 2000S and 2000SW. Not
> cheap but very good and really nice to have.
>
>
>
> Best regards
>
> OZ1CCM Kjeld
>
>
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>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of dickflanagan
> Sent: 15. januar 2012 11:11
> To: acom-list@yahoogroups.com
> Subject: [acom-list] My first ACOM
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>
> This coming Thursday I will be taking delivery of my very first ACOM, a
> 2000A. Can anyone summarize the wisdom that has come from this group over
> the past twelve years and almost 5,000 messages?
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> introduce myself to my new ACOM. Do's, not do's and don't ever do's.
>
> Thanks for whatever knowledge you can share.
>
> Dick Flanagan K7VC
> Minden, NV
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4704. What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 03:30:55 UTC
From: Dick Flanagan
Topic: 4704 Message: 4704

My new 2000A arrived today and I'm in the process of getting to know it. The first thing I noticed was how loud the tuning motors are! The first time the amp tuned itself the noise made me jump, the dogs bark and my wife to come in from the other room asking what that noise was!

Is it normal that the tuning motors should be so LOUD!

Dick

--
Dick Flanagan K7VC
dick@...

4705. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 03:47:16 UTC
From: Hank Garretson
Topic: 4704 Message: 4705

Yes. Same I jumped first time too.

73,

Hank, W6SX

On Thu, Jan 19, 2012 at 7:30 PM, Dick Flanagan <dick@...> wrote:

> **
>
>
> My new 2000A arrived today and I'm in the process of getting to know
> it. The first thing I noticed was how loud the tuning motors are! The
> first time the amp tuned itself the noise made me jump, the dogs bark
> and my wife to come in from the other room asking what that noise was!
>
> Is it normal that the tuning motors should be so LOUD!
>
> Dick
>

[Non-text portions of this message have been removed]

4706. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 06:20:51 UTC
From: Hans Remeeus
Topic: 4704 Message: 4706

Hello Dick,

After the warming-up period of the 2000A the motors make a loud noise.
It is a very strange noise. That's correct. It is quite normal and
nothing to worry about.

What you wrote in your message sounds very familiar to me. My wife had
exactly the same reaction when she heard this loud noise for the first
time; it really scared her.

However, this is the only loud noise the 2000A makes. The rest of the
tuning is (relatively) very silent. My fans are whisper silent, so yours
must be too.

Please keep us informed about your further experiences; we hope to be of
help

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 20-1-2012 4:30, Dick Flanagan schreef:
> My new 2000A arrived today and I'm in the process of getting to know
> it. The first thing I noticed was how loud the tuning motors are! The
> first time the amp tuned itself the noise made me jump, the dogs bark
> and my wife to come in from the other room asking what that noise was!
>
> Is it normal that the tuning motors should be so LOUD!
>
> Dick
>

[Non-text portions of this message have been removed]

4707. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 06:38:24 UTC
From: Dick Flanagan
Topic: 4704 Message: 4707

Thank you, Hans (and you too, Hank). Having never operated a 2000A
before the noise really got my attention. Now that I know it is normal,
I will simply expect and ignore it.

Thanks again to you both.

Dick

--
Dick Flanagan K7VC
dick@...

On 1/19/2012 10:20 PM, Hans Remeeus wrote:
>
> Hello Dick,
>
> After the warming-up period of the 2000A the motors make a loud noise.
> It is a very strange noise. That's correct. It is quite normal and
> nothing to worry about.
>
> What you wrote in your message sounds very familiar to me. My wife had
> exactly the same reaction when she heard this loud noise for the first
> time; it really scared her.
>
> However, this is the only loud noise the 2000A makes. The rest of the
> tuning is (relatively) very silent. My fans are whisper silent, so yours
> must be too.
>
> Please keep us informed about your further experiences; we hope to be of
> help
>
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>
> Op 20-1-2012 4:30, Dick Flanagan schreef:
>> My new 2000A arrived today and I'm in the process of getting to know
>> it. The first thing I noticed was how loud the tuning motors are! The
>> first time the amp tuned itself the noise made me jump, the dogs bark
>> and my wife to come in from the other room asking what that noise was!
>>

>> Is it normal that the tuning motors should be so LOUD!
>>
>> Dick
>>
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4708. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 08:33:55 UTC
From: Philippe ON4VP
Topic: 4704 Message: 4708

Being a Acom 1000 user I'm not familiar with this noise but I'm curious to understand what is mend by 'noise'.
What does exactly happens when the Acom 2000a starts up? Any comments...

73, ON4VP

2012/1/20 Hans Remeeus <hans@...>

> **
>
>
> After the warming-up period of the 2000A the motors make a loud noise.
> It is a very strange noise. That's correct. It is quite normal and
> nothing to worry about.
>
>

[Non-text portions of this message have been removed]

4709. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 09:18:19 UTC
From: Callum's iPhone
Topic: 4704 Message: 4709

There are some good examples of what is happening on YouTube. Much easier than explaining on an iPhone..!

Callum McCormick
+44 (0)7976 631881

Away from my desk right now..

On 20 Jan 2012, at 08:33, Philippe ON4VP <on4vp@telenet.be> wrote:

> Being a Acom 1000 user I'm not familiar with this noise but I'm curious to
> understand what is mend by 'noise'.
> What does exactly happens when the Acom 2000a starts up? Any comments...
>
> 73, ON4VP
>
> 2012/1/20 Hans Remeeus <hans@...>
>
> > **
> >
> >
> > After the warming-up period of the 2000A the motors make a loud noise.
> > It is a very strange noise. That's correct. It is quite normal and
> > nothing to worry about.
> >
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> [Non-text portions of this message have been removed]
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>

[Non-text portions of this message have been removed]

4710. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 09:26:28 UTC
From: Fulvio
Topic: 4704 Message: 4710

Here are some of them ;-)

http://www.youtube.com/watch?v=Oh9THFVCtKg

http://www.youtube.com/watch?v=kJ5p_fGyHEc

Best 73 de HB9DHG Fulvio

On Fri, Jan 20, 2012 at 10:18 AM, Callum's iPhone
<callum@...>wrote:

> **
>
>
> There are some good examples of what is happening on YouTube. Much easier
> than explaining on an iPhone..!
>
> Callum McCormick
> +44 (0)7976 631881
>
> Away from my desk right now..
>
> On 20 Jan 2012, at 08:33, Philippe ON4VP <on4vp@...> wrote:
>
> > Being a Acom 1000 user I'm not familiar with this noise but I'm curious
> to
> > understand what is mend by 'noise'.
> > What does exactly happens when the Acom 2000a starts up? Any comments...
> >
> > 73, ON4VP
> >
> > 2012/1/20 Hans Remeeus <hans@remeeus.eu>
> >
> > > **
> > >
> > >
> > > After the warming-up period of the 2000A the motors make a loud noise.
> > > It is a very strange noise. That's correct. It is quite normal and
> > > nothing to worry about.
> > >
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> > > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4711. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 09:39:55 UTC
From: Hans Remeeus
Topic: 4704 Message: 4711

That's it! Nothing to worry about, but when you hear it for the first
time it could be a little bit scary ;-)

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 20-1-2012 10:26, Fulvio schreef:
> Here are some of them ;-)
>
> http://www.youtube.com/watch?v=Oh9THFVCtKg
>
> http://www.youtube.com/watch?v=kJ5p_fGyHEc
>
> Best 73 de HB9DHG Fulvio
>
> On Fri, Jan 20, 2012 at 10:18 AM, Callum's iPhone
> <callum@...>wrote:
>
>> **
>>
>>
>> There are some good examples of what is happening on YouTube. Much easier
>> than explaining on an iPhone..!
>>
>> Callum McCormick
>> +44 (0)7976 631881
>>
>> Away from my desk right now..
>>
>> On 20 Jan 2012, at 08:33, Philippe ON4VP<on4vp@...> wrote:
>>
>>> Being a Acom 1000 user I'm not familiar with this noise but I'm curious
>> to
>>> understand what is mend by 'noise'.
>>> What does exactly happens when the Acom 2000a starts up? Any comments...
>>>
>>> 73, ON4VP
>>>
>>> 2012/1/20 Hans Remeeus<hans@...>
>>>
>>>> **
>>>>

>>>>
>>>> After the warming-up period of the 2000A the motors make a loud noise.
>>>> It is a very strange noise. That's correct. It is quite normal and
>>>> nothing to worry about.
>>>>
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>>> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4712. RE: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 09:47:29 UTC
From: Callum McC
Topic: 4704 Message: 4712

Here it is with the lid off.

http://www.youtube.com/watch?v=kJ5p_fGyHEc

Callum
M0MCX

[Non-text portions of this message have been removed]

4713. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 10:59:06 UTC
From: Jim
Topic: 4704 Message: 4713

Yes

Sent from my Ipod

On Jan 19, 2012, at 10:30 PM, Dick Flanagan <dick@...> wrote:

> My new 2000A arrived today and I'm in the process of getting to know
> it. The first thing I noticed was how loud the tuning motors are! The
> first time the amp tuned itself the noise made me jump, the dogs bark
> and my wife to come in from the other room asking what that noise was!
>
> Is it normal that the tuning motors should be so LOUD!
>
> Dick
>
> --
> Dick Flanagan K7VC
> dick@...
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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4714. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 11:24:05 UTC
From: Philippe ON4VP
Topic: 4704 Message: 4714

Watched the videos. Indeed a lot of noise ! Now the real question is why only at startup and not every time when tuning is needed (according to what I read while tuning this is not the case)?

It sounds like a mechanical reset procedure of a big gearbox...
Autotuning is fine and great, but the Acom 1000 still is the most silent amp on the planet ;-)

I was thinking, why Acom never made a 1KW version with single tube but with auto tuning for a competetive price?
I think they would find a lot of customers for it if price would settle between Acom 1000 and Acom 2000a (f.e. 3000 euros)

Regards
Phil, ON4VP

2012/1/20 Callum's iPhone <callum@...>

> **
>
>
> There are some good examples of what is happening on YouTube. Much easier
> than explaining on an iPhone..!
>
>

[Non-text portions of this message have been removed]

4715. RE: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:03:14 UTC
From: Bob Naumann
Topic: 4704 Message: 4715

On start-up, the motors test their full motion and make the most sound.

The closest you might get to that during normal operation is QSY from 160 to 10m where they move the most.

Adjacent band QSY: 160 to 80, 80 to 40, 40 to 20, etc. does not make as much sound.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Philippe ON4VP
Sent: Friday, January 20, 2012 5:24 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] What's That Noise?!

Watched the videos. Indeed a lot of noise ! Now the real question is why only at startup and not every time when tuning is needed (according to what I read while tuning this is not the case)?

It sounds like a mechanical reset procedure of a big gearbox...
Autotuning is fine and great, but the Acom 1000 still is the most silent amp on the planet ;-)

I was thinking, why Acom never made a 1KW version with single tube but with auto tuning for a competetive price?
I think they would find a lot of customers for it if price would settle between Acom 1000 and Acom 2000a (f.e. 3000 euros)

Regards
Phil, ON4VP

2012/1/20 Callum's iPhone <callum@...>

> **
>
>
> There are some good examples of what is happening on YouTube. Much easier
> than explaining on an iPhone..!
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4716. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:13:52 UTC
From: Barry N1EU
Topic: 4704 Message: 4716

On Fri, Jan 20, 2012 at 11:24 AM, Philippe ON4VP <on4vp@...> wrote:

> **
>
>
> Watched the videos. Indeed a lot of noise ! Now the real question is why
> only at startup and not every time when tuning is needed (according to what
> I read while tuning this is not the case)?
>
> It sounds like a mechanical reset procedure of a big gearbox...
> Autotuning is fine and great, but the Acom 1000 still is the most silent
> amp on the planet ;-)
>

I'm no mechanical engineer but my guess is that's exactly what's happening. At start up, the stepper motor positioning is unknown so it must go through a recalibration procedure to a known starting point, so it slews a sufficient amount so the end point is definitely reached. With the way the 2000A reliably performs year after year, that's the sound of music.

>
> I was thinking, why Acom never made a 1KW version with single tube but with
> auto tuning for a competetive price?
> I think they would find a lot of customers for it if price would settle
> between Acom 1000 and Acom 2000a (f.e. 3000 euros)
>

I doubt they would be able to cut the cost all that much by eliminating one tube and downscaling the power. A 1KW version probably wouldn't end up being cost effective, using the current costly electromechanical design.

73, Barry N1EU

[Non-text portions of this message have been removed]

4717. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:31:26 UTC
From: Fulvio
Topic: 4704 Message: 4717

;-) Hi Hans,

I LOVE this noise.

Best 73 HB9DHG Fulvio

On Fri, Jan 20, 2012 at 10:39 AM, Hans Remeeus <hans@...> wrote:

> **
>
>
>
> That's it! Nothing to worry about, but when you hear it for the first
> time it could be a little bit scary ;-)
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 20-1-2012 10:26, Fulvio schreef:
> > Here are some of them ;-)
> >
> > http://www.youtube.com/watch?v=Oh9THFVCtKg
> >
> > http://www.youtube.com/watch?v=kJ5p_fGyHEc
> >
> > Best 73 de HB9DHG Fulvio
> >
> > On Fri, Jan 20, 2012 at 10:18 AM, Callum's iPhone
> > <callum@mccormick.uk.com>wrote:
> >
> >> **
> >>
> >>
> >> There are some good examples of what is happening on YouTube. Much
> easier
> >> than explaining on an iPhone..!
> >>
> >> Callum McCormick
> >> +44 (0)7976 631881
> >>
> >> Away from my desk right now..
> >>
> >> On 20 Jan 2012, at 08:33, Philippe ON4VP<on4vp@...> wrote:

> >>
> >>> Being a Acom 1000 user I'm not familiar with this noise but I'm curious
> >> to
> >>> understand what is mend by 'noise'.
> >>> What does exactly happens when the Acom 2000a starts up? Any
> comments...
> >>>
> >>> 73, ON4VP
> >>>
> >>> 2012/1/20 Hans Remeeus<hans@...>
> >>>
> >>>> **
> >>>>
> >>>>
> >>>> After the warming-up period of the 2000A the motors make a loud noise.
> >>>> It is a very strange noise. That's correct. It is quite normal and
> >>>> nothing to worry about.
> >>>>
> >>>>
> >>> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4718. RE: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:38:56 UTC
From: Bob Naumann
Topic: 4704 Message: 4718

Stand by for the new 800S that should be out soon.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, January 20, 2012 6:14 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] What's That Noise?!

On Fri, Jan 20, 2012 at 11:24 AM, Philippe ON4VP <on4vp@...> wrote:

> **
>
>
> Watched the videos. Indeed a lot of noise ! Now the real question is why
> only at startup and not every time when tuning is needed (according to what
> I read while tuning this is not the case)?
>
> It sounds like a mechanical reset procedure of a big gearbox...
> Autotuning is fine and great, but the Acom 1000 still is the most silent
> amp on the planet ;-)
>

I'm no mechanical engineer but my guess is that's exactly what's happening. At start up, the stepper motor positioning is unknown so it must go through a recalibration procedure to a known starting point, so it slews a sufficient amount so the end point is definitely reached. With the way the 2000A reliably performs year after year, that's the sound of music.

>
> I was thinking, why Acom never made a 1KW version with single tube but with
> auto tuning for a competetive price?
> I think they would find a lot of customers for it if price would settle
> between Acom 1000 and Acom 2000a (f.e. 3000 euros)
>

I doubt they would be able to cut the cost all that much by eliminating one tube and downscaling the power. A 1KW version probably wouldn't end up being cost effective, using the current costly electromechanical design.

73, Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4719. New 800S?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:54:54 UTC
From: Callum McC
Topic: 4704 Message: 4719

What's this new 800? I'm totally behind the times..!

Callum
M0MCX

[Non-text portions of this message have been removed]

4720. RE: [acom-list] New 800S?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:58:21 UTC
From: Bob Naumann
Topic: 4704 Message: 4720

http://www.acom-bg.com/800S.html

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Callum McC
Sent: Friday, January 20, 2012 6:55 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] New 800S?

What's this new 800? I'm totally behind the times..!

Callum
M0MCX

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4721. Re: [acom-list] New 800S?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 12:58:52 UTC
From: Fulvio
Topic: 4704 Message: 4721

Hi Callum,

it's the new solid state amplifier from Acom. Another nice toy!

http://www.cqdx.ru/blog/2011/06/28/new-linera-amplifier-acom-800s/

From Array Solution Website:
Price around USD 3500
http://www.arraysolutions.com/Products/acom.htm

Best 73 HB9DHG Fulvio

On Fri, Jan 20, 2012 at 1:54 PM, Callum McC <callum@...> wrote:

> **
>
>
> What's this new 800? I'm totally behind the times..!
>
> Callum
> M0MCX
>
>
>
>
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4722. RE: [acom-list] New 800S?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 13:00:13 UTC
From: Callum McC
Topic: 4704 Message: 4722

Ah! I am behind.

Very cute, thanks.

C.

4723. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 13:18:13 UTC
From: georgek5kg@aol.com
Topic: 4704 Message: 4723

I would describe the noise as a very low frequency growl. It is music to my ears!

73, George.

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 1/19/2012 10:31:20 P.M. Eastern Standard Time, dick@... writes:

My new 2000A arrived today and I'm in the process of getting to know it. The first thing I noticed was how loud the tuning motors are! The first time the amp tuned itself the noise made me jump, the dogs bark and my wife to come in from the other room asking what that noise was!

Is it normal that the tuning motors should be so LOUD!

Dick

--
Dick Flanagan K7VC
dick@...

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4724. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 13:46:03 UTC
From: Hans Remeeus
Topic: 4704 Message: 4724

Me too! It's a beacon to start enjoying the 2000A...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 20-1-2012 13:31, Fulvio schreef:
> ;-) Hi Hans,
>
> I LOVE this noise.
>
> Best 73 HB9DHG Fulvio
>
> On Fri, Jan 20, 2012 at 10:39 AM, Hans Remeeus<hans@...> wrote:
>
>> **
>>
>>
>>
>> That's it! Nothing to worry about, but when you hear it for the first
>> time it could be a little bit scary ;-)
>>
>> 73,
>> Hans Remeeus (PA1HR)
>> http://www.remeeus.eu
>> http://www.hansremeeus.nl
>> Communication is about people, the rest is technology.
>>
>> Op 20-1-2012 10:26, Fulvio schreef:
>>> Here are some of them ;-)
>>>
>>> http://www.youtube.com/watch?v=Oh9THFVCtKg
>>>
>>> http://www.youtube.com/watch?v=kJ5p_fGyHEc
>>>
>>> Best 73 de HB9DHG Fulvio
>>>
>>> On Fri, Jan 20, 2012 at 10:18 AM, Callum's iPhone
>>> <callum@...>wrote:
>>>
>>>> **
>>>>
>>>>

>>>> There are some good examples of what is happening on YouTube. Much
>> easier
>>>> than explaining on an iPhone..!
>>>>
>>>> Callum McCormick
>>>> +44 (0)7976 631881
>>>>
>>>> Away from my desk right now..
>>>>
>>>> On 20 Jan 2012, at 08:33, Philippe ON4VP<on4vp@...> wrote:
>>>>
>>>>> Being a Acom 1000 user I'm not familiar with this noise but I'm curious
>>>> to
>>>>> understand what is mend by 'noise'.
>>>>> What does exactly happens when the Acom 2000a starts up? Any
>> comments...
>>>>> 73, ON4VP
>>>>>
>>>>> 2012/1/20 Hans Remeeus<hans@...>
>>>>>
>>>>>> **
>>>>>>
>>>>>>
>>>>>> After the warming-up period of the 2000A the motors make a loud noise.
>>>>>> It is a very strange noise. That's correct. It is quite normal and
>>>>>> nothing to worry about.
>>>>>>
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>>>>> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

4725. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 13:48:16 UTC
From: Barry N1EU
Topic: 4704 Message: 4725

On Fri, Jan 20, 2012 at 1:18 PM, <georgek5kg@...> wrote:

> **
>
>
> I would describe the noise as a very low frequency growl.
>
Yes, it's the sound of the bear waking up.

Barry N1EU

[Non-text portions of this message have been removed]

4726. Re: What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 14:35:42 UTC
From: n1zj
Topic: 4704 Message: 4726

> What's That Noise?!

It's the sound of stepper motors. Stepper motors work by advancing the stator field in discrete increments, producing a click as the rotor snaps over to its next position. A sequence of these steps at a high rate produces an sound in the audio range, which is what you are hearing - quite normal. Steppers are somewhat less precise than a good servo, which would also be quieter, but they don't drift and are way less trouble and expense. At startup the 2000A is simple flexing its muscles to verify that not is calibrated and working properly.

John, N1ZJ

4727. RE: [acom-list] What's That Noise?! Pfoe!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 14:48:38 UTC
From: Kees - pa7two
Topic: 4704 Message: 4727

And I thought the Yaesu FT9000D was bad during boot-up with its servo motor-pre-sets sound wise...

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: hans@...
Date: Fri, 20 Jan 2012 14:46:03 +0100
Subject: Re: [acom-list] What's That Noise?!

Me too! It's a beacon to start enjoying the 2000A...

73,

Hans Remeeus (PA1HR)

http://www.remeeus.eu

http://www.hansremeeus.nl

Communication is about people, the rest is technology.

Op 20-1-2012 13:31, Fulvio schreef:

> ;-) Hi Hans,

>

> I LOVE this noise.

>

> Best 73 HB9DHG Fulvio

>

> On Fri, Jan 20, 2012 at 10:39 AM, Hans Remeeus<hans@...> wrote:

>

>> **

>>

>>

>>

>> That's it! Nothing to worry about, but when you hear it for the first

>> time it could be a little bit scary ;-)

>>

>> 73,

>> Hans Remeeus (PA1HR)

>> http://www.remeeus.eu

>> http://www.hansremeeus.nl

>> Communication is about people, the rest is technology.

>>

>> Op 20-1-2012 10:26, Fulvio schreef:

>>> Here are some of them ;-)

>>>

>>> http://www.youtube.com/watch?v=Oh9THFVCtKg

>>>

>>> http://www.youtube.com/watch?v=kJ5p_fGyHEc

>>>

>>> Best 73 de HB9DHG Fulvio

>>>

>>> On Fri, Jan 20, 2012 at 10:18 AM, Callum's iPhone

>>> <callum@...>wrote:

>>>

>>>> **

>>>>

>>>>

>>>> There are some good examples of what is happening on YouTube. Much

>> easier

>>>> than explaining on an iPhone..!

>>>>

>>>> Callum McCormick

>>>> +44 (0)7976 631881

>>>>

>>>> Away from my desk right now..

>>>>

>>>> On 20 Jan 2012, at 08:33, Philippe ON4VP<on4vp@telenet.be> wrote:

>>>>

>>>>> Being a Acom 1000 user I'm not familiar with this noise but I'm curious

>>>> to

>>>>> understand what is mend by 'noise'.

>>>>> What does exactly happens when the Acom 2000a starts up? Any

>> comments...

>>>>> 73, ON4VP

>>>>>

>>>>> 2012/1/20 Hans Remeeus<hans@remeeus.eu>

>>>>>

>>>>>> **

>>>>>>

>>>>>>

>>>>>> After the warming-up period of the 2000A the motors make a loud noise.

>>>>>> It is a very strange noise. That's correct. It is quite normal and

>>>>>> nothing to worry about.

>>>>>>

>>>>>>

>>>>> [Non-text portions of this message have been removed]

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>>>>>

>>>> [Non-text portions of this message have been removed]

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>>> [Non-text portions of this message have been removed]

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>>> Yahoo! Groups Links

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>> [Non-text portions of this message have been removed]

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> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4728. Re: [acom-list] New 800S?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 19:08:31 UTC
From: Dick Flanagan
Topic: 4704 Message: 4728

It looks like it will be very popular with DXpeditions.

--
Dick Flanagan K7VC
dick@...

On 1/20/2012 4:58 AM, Bob Naumann wrote:
>
> http://www.acom-bg.com/800S.html
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Callum McC
> Sent: Friday, January 20, 2012 6:55 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] New 800S?
>
> What's this new 800? I'm totally behind the times..!
>
> Callum
> M0MCX
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4729. Re: [acom-list] New 800S?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-20 19:10:37 UTC
From: Philippe ON4VP
Topic: 4704 Message: 4729

11,5 kg and cat controlled, auto band switching, usb computer connection,
etc...

Phil, ON4VP

2012/1/20 Dick Flanagan <dick@...>

> **
>
>
> It looks like it will be very popular with DXpeditions.
>
> --
> Dick Flanagan K7VC
> dick@...
>
>

[Non-text portions of this message have been removed]

4730. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-21 01:54:08 UTC
From: georgek5kg@aol.com
Topic: 4704 Message: 4730

Thanks to you, Barry, I am going to label my 2000A, "The Bear"!

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 1/20/2012 8:48:18 A.M. Eastern Standard Time,
barry.n1eu@... writes:

On Fri, Jan 20, 2012 at 1:18 PM, <georgek5kg@...> wrote:

> **
>
>
> I would describe the noise as a very low frequency growl.
>
Yes, it's the sound of the bear waking up.

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4731. RE: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-21 11:09:48 UTC
From: Callum McC
Topic: 4704 Message: 4731

>>>I am going to label my 2000A, "The Bear"!

On SSB, I normally TX a brief "uhh" to make the amp retune after a band change. However, "BEAR!" sounds a much better way.

Callum.

[Non-text portions of this message have been removed]

4732. Re: [acom-list] What's That Noise?!

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-21 12:11:07 UTC
From: Barry N1EU
Topic: 4704 Message: 4732

On Sat, Jan 21, 2012 at 1:54 AM, <georgek5kg@...> wrote:

> **
>
>
> Thanks to you, Barry, I am going to label my 2000A, "The Bear"!
>
>
The Bear that hibernates in the summer (at least in my shack) . . . . ;-)

73, Barry N1EU

[Non-text portions of this message have been removed]

4733. New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 02:20:26 UTC
From: Paul M Dunphy
Topic: 4733 Message: 4733

http://www.acom-bg.com/home.html

73, Paul VE1DX

4734. Re: [acom-list] New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 06:21:30 UTC
From: bill ny9h
Topic: 4733 Message: 4734

the new web site requires Flash ,,,
and steve jobs legacy IPAd..,,. does not play flash....

ACOM needs an automatic alternative site for those so disabled.....

Nice to see The new SS amp & a rotor ???

The 2000a remote is a done deal ..... wow ...

bill ny9h/3

At 09:20 PM 1/28/2012, you wrote:

>http://www.acom-bg.com/home.html

4735. Re: [acom-list] New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 13:37:39 UTC
From: Mel Whitten
Topic: 4733 Message: 4735

New site looks FB on my htc andriod.
Mel
k0pfx

----- Original Message -----
From: bill ny9h
To: acom-list@yahoogroups.com
Sent: Sunday, January 29, 2012 12:21 AM
Subject: Re: [acom-list] New ACOM web site

the new web site requires Flash ,,,
and steve jobs legacy IPAd..,,. does not play flash....

ACOM needs an automatic alternative site for those so disabled.....

Nice to see The new SS amp & a rotor ???

The 2000a remote is a done deal ..... wow ...

bill ny9h/3

At 09:20 PM 1/28/2012, you wrote:

>http://www.acom-bg.com/home.html

[Non-text portions of this message have been removed]

4736. Re: [acom-list] New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 14:45:29 UTC
From: bill ny9h
Topic: 4733 Message: 4736

if the world would all use flash , then apple would have to allow
flash in the ipad.... but till then ,,, i'll use my htc & other
stuff to go there,,,,

bill

At 08:37 AM 1/29/2012, you wrote:
>New site looks FB on my htc andriod.
>Mel
>k0pfx
>
> ----- Original Message -----
> From: bill ny9h
> To: acom-list@yahoogroups.com
> Sent: Sunday, January 29, 2012 12:21 AM
> Subject: Re: [acom-list] New ACOM web site
>
>
>
> the new web site requires Flash ,,,
> and steve jobs legacy IPAd..,,. does not play flash....
>
> ACOM needs an automatic alternative site for those so disabled.....
>
> Nice to see The new SS amp & a rotor ???
>
> The 2000a remote is a done deal ..... wow ...
>
> bill ny9h/3
>
> At 09:20 PM 1/28/2012, you wrote:
>
> >http://www.acom-bg.com/home.html
>
>
>
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>Yahoo! Groups Links

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4737. Re: [acom-list] New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 15:25:57 UTC
From: georgek5kg@aol.com
Topic: 4733 Message: 4737

Nice to see the new products from Acom, especially the light-weight ss amp.

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 1/29/2012 1:21:29 A.M. Eastern Standard Time,
ny9h@... writes:

http://www.acom-bg.com/home.html

[Non-text portions of this message have been removed]

4738. Re: [acom-list] New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 15:33:31 UTC
From: Brian Alsop
Topic: 4733 Message: 4738

The back of the amp shows 3 muffin fans. It would seem that this can't
be an acoustically quiet amp.

The single muffin fan on the KPA-500, even at the lowest fan speed
steps, interferes with weak sig CW using earphones. This was supposed
to be a fan selected for its low noise.

Three fans have to be louder.

73 de Brian/K3KO

On 1/29/2012 15:25, georgek5kg@... wrote:
> Nice to see the new products from Acom, especially the light-weight ss amp.
>
> 73, Geo...
>
> George Wagner, K5KG
> Sarasota, FL
> 941-400-1960 cell
>
> In a message dated 1/29/2012 1:21:29 A.M. Eastern Standard Time,
> ny9h@... <mailto:ny9h%40arrl.net> writes:
>
> http://www.acom-bg.com/home.html
>
> [Non-text portions of this message have been removed]
>
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1416 / Virus Database: 2109/4774 - Release Date: 01/29/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1416 / Virus Database: 2109/4774 - Release Date: 01/29/12

4739. Low Gain <=> help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 18:19:18 UTC
From: Thomas Herrmann
Topic: 4739 Message: 4739

hello,
at ACOM2000A more often I get displayed "LOW GAIN" after some minutes of operating and switching into STANDBY modus.
Manual says to check koax between TRX and PA. In my case, I can't find any mistake with the coax. To be sure I exchanged the coax between TRX and PA but still get the error message.

Any hints what to do, please ?

73 de Thomas, DL1AMQ.

_____
SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192

4740. Re: [acom-list] New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 20:26:52 UTC
From: Philippe ON4VP
Topic: 4733 Message: 4740

The exact same reason why I sold my Expert 1K-FA and got a second Acom 1000 instead.
I loved both the fact that I was instant on and no tuning but couldn't bear the noise of the 7 fans.

Phil ON4VP

2012/1/29 Brian Alsop <alsopb@...>

> The back of the amp shows 3 muffin fans. It would seem that this can't
> be an acoustically quiet amp.
>
> The single muffin fan on the KPA-500, even at the lowest fan speed
> steps, interferes with weak sig CW using earphones. This was supposed
> to be a fan selected for its low noise.
>
> Three fans have to be louder.
>
> 73 de Brian/K3KO
>
> On 1/29/2012 15:25, georgek5kg@... wrote:
> > Nice to see the new products from Acom, especially the light-weight ss
> amp.
> >
> > 73, Geo...
> >
> > George Wagner, K5KG
> > Sarasota, FL
> > 941-400-1960 cell
> >
> > In a message dated 1/29/2012 1:21:29 A.M. Eastern Standard Time,
> > ny9h@... <mailto:ny9h%40arrl.net> writes:
> >
> > http://www.acom-bg.com/home.html
> >
> > [Non-text portions of this message have been removed]
> >
> >
> > --
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 10.0.1416 / Virus Database: 2109/4774 - Release Date: 01/29/12
> >
>
>

>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 10.0.1416 / Virus Database: 2109/4774 - Release Date: 01/29/12
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4741. Re: [acom-list] Low Gain <=> help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 20:34:42 UTC
From: Hans Remeeus
Topic: 4739 Message: 4741

Hello Thomas,

The gain is calculated, the value will depend on the input and output power.

With this message the amplifier will switch off if the input power is
too great and the output power too small. It is possible that the action
is as described (worn out tubes) or problems in the circuits for
measurement and their calibration.

Interface PCB
RP4 - fwd - output power
RP9 - inp - input power

Please try the AUTO TUNE function (in the sub-menu while in the MAIN
menu) a few times. This could help; it did help with my Acom 2000A...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 29-1-2012 19:19, Thomas Herrmann schreef:
> hello,
> at ACOM2000A more often I get displayed "LOW GAIN" after some minutes of operating and switching into STANDBY modus.
> Manual says to check koax between TRX and PA. In my case, I can't find any mistake with the coax. To be sure I exchanged the coax between TRX and PA but still get the error message.
>
> Any hints what to do, please ?
>
> 73 de Thomas, DL1AMQ.
> _____
> SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
> kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4742. HV Capacitor Cb2.2 Failed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 21:11:12 UTC
From: jim balls
Topic: 4742 Message: 4742

Hi all,

I Was about half an hour away from the start of the BARTG Sprint contest when I powered up the ACOM 1000 which is about 3 years old, after about 30 seconds of the warm up period I heard a loud crack and and error message on the display stating a safety circuit shutdown.

Upon investigation I found the capacitor Cb2.2 a 2.2n/10KV ceramic disc had flashed over blowing a small section from the side and causing the capacitor to go short circuit, This capacitor is the first on the HV supply side of the RF choke just after the HV safety crow bar.

I notice on the original schematic that these caps are rated at 6KV not 10KV, so I'm thinking maybe an upgrade has already been done in the manufacture process.

Looking back through the site I see this has happened before with no real reason for the failure orther than a weak capacitor maybe

Anyway I would like to know if anyone knows of a source of these HV ceramic disc caps at a reasonable price?

Thanks

Jim M0CKE

4743. Re: [acom-list] HV Capacitor Cb2.2 Failed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 21:31:44 UTC
From: trevor dunne
Topic: 4742 Message: 4743

Hi Jim

This cap also failed on my 1000, I contacted Ron in Vine Antennas and he sent me one. Maybe drop him a email and he will give you more info,

Thanks
Trevor
EI2GLB

From: jim balls <jim@...>
To: acom-list@yahoogroups.com
Sent: Sunday, 29 January 2012, 21:11
Subject: [acom-list] HV Capacitor Cb2.2 Failed

Hi all,

I Was about half an hour away from the start of the BARTG Sprint contest when I powered up the ACOM 1000 which is about 3 years old, after about 30 seconds of the warm up period I heard a loud crack and and error message on the display stating a safety circuit shutdown.

Upon investigation I found the capacitor Cb2.2 a 2.2n/10KV ceramic disc had flashed over blowing a small section from the side and causing the capacitor to go short circuit, This capacitor is the first on the HV supply side of the RF choke just after the HV safety crow bar.

I notice on the original schematic that these caps are rated at 6KV not 10KV, so I'm thinking maybe an upgrade has already been done in the manufacture process.

Looking back through the site I see this has happened before with no real reason for the failure orther than a weak capacitor maybe

Anyway I would like to know if anyone knows of a source of these HV ceramic disc caps at a reasonable price?

Thanks

Jim M0CKE

[Non-text portions of this message have been removed]

4744. Re: [acom-list] Low Gain <=> help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-29 21:34:47 UTC
From: Thomas Herrmann
Topic: 4739 Message: 4744

Hello Hans,
many thanks for Your hint.
I did "AUTO TUNE" often during last few years and used resulting "USR" settings instead of "DEF(ault)" in OPER(ation) modus.

Don't know why, but now (since ??) there are back DEF settings. Doing AUTO TUNE now, I hear the motors moving and get as result "DEFAULT: CHECK VSWR".
Checking VSWR, I get 1:1.3 what is looking well for me, but I still have DEF settings.
Don't get USR settings at all.
So, it seems that either tuning procedure or readings by software is wrong.

Anyone else had such ACOM2000 behavior and has a solution, please ?

73 de DL1AMQ

Von: "Hans Remeeus" <hans@remeeus.eu>
Gesendet: 29.01.2012 21:34:42
An: acom-list@yahoogroups.com
Betreff: Re: [acom-list] Low Gain <=> help needed

Hello Thomas,

The gain is calculated, the value will depend on the input and output power.

With this message the amplifier will switch off if the input power is
too great and the output power too small. It is possible that the action
is as described (worn out tubes) or problems in the circuits for
measurement and their calibration.

Interface PCB
RP4 - fwd - output power
RP9 - inp - input power

Please try the AUTO TUNE function (in the sub-menu while in the MAIN
menu) a few times. This could help; it did help with my Acom 2000A...

73,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 29-1-2012 19:19, Thomas Herrmann schreef:
> hello,
> at ACOM2000A more often I get displayed "LOW GAIN" after some minutes of operating and switching into STANDBY modus.
> Manual says to check koax between TRX and PA. In my case, I can't find any mistake with

the coax. To be sure I exchanged the coax between TRX and PA but still get the error message.
>
> Any hints what to do, please ?
>
> 73 de Thomas, DL1AMQ.
> _____
> SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
> kostenguenstig. Jetzt gleich testen!
http://f.web.de/?mc=021192[http://f.web.de/?mc=021192]
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[Non-text portions of this message have been removed]

_____
SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192

4745. Re: [acom-list] Low Gain <=> help needed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-30 06:07:06 UTC
From: Hans Remeeus
Topic: 4739 Message: 4745

Hello Thomas,

This seems to me as a strange behaviour. I advise you to contact Acom in Bulgaria.

73!

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 29-1-2012 22:34, Thomas Herrmann schreef:
> Hello Hans,
> many thanks for Your hint.
> I did "AUTO TUNE" often during last few years and used resulting "USR" settings instead of "DEF(ault)" in OPER(ation) modus.
>
> Don't know why, but now (since ??) there are back DEF settings. Doing AUTO TUNE now, I hear the motors moving and get as result "DEFAULT: CHECK VSWR".
> Checking VSWR, I get 1:1.3 what is looking well for me, but I still have DEF settings. Don't get USR settings at all.
> So, it seems that either tuning procedure or readings by software is wrong.
>
> Anyone else had such ACOM2000 behavior and has a solution, please ?
>
> 73 de DL1AMQ
>
>
>
>
> ----------
> Von: "Hans Remeeus"<hans@...>
> Gesendet: 29.01.2012 21:34:42
> An: acom-list@yahoogroups.com
> Betreff: Re: [acom-list] Low Gain<=> help needed
>
>
>
> Hello Thomas,
>
> The gain is calculated, the value will depend on the input and output power.
>
> With this message the amplifier will switch off if the input power is
> too great and the output power too small. It is possible that the action
> is as described (worn out tubes) or problems in the circuits for

> measurement and their calibration.
>
> Interface PCB
> RP4 - fwd - output power
> RP9 - inp - input power
>
> Please try the AUTO TUNE function (in the sub-menu while in the MAIN
> menu) a few times. This could help; it did help with my Acom 2000A...
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Op 29-1-2012 19:19, Thomas Herrmann schreef:
>> hello,
>> at ACOM2000A more often I get displayed "LOW GAIN" after some minutes of operating and switching into STANDBY modus.
>> Manual says to check koax between TRX and PA. In my case, I can't find any mistake with the coax. To be sure I exchanged the coax between TRX and PA but still get the error message.
>>
>> Any hints what to do, please ?
>>
>> 73 de Thomas, DL1AMQ.
>> _____
>> SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
>> kostenguenstig. Jetzt gleich testen!
http://f.web.de/?mc=021192[http://f.web.de/?mc=021192]
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> SMS schreiben mit WEB.DE FreeMail - einfach, schnell und
> kostenguenstig. Jetzt gleich testen! http://f.web.de/?mc=021192
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4746. RE: [acom-list] HV Capacitor Cb2.2 Failed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-30 06:07:27 UTC
From: Kees - pa7two
Topic: 4742 Message: 4746

Ask Acom Bulgaria, they will be glad to help you out Jim if you cannot find the caps locally.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: jim@...
Date: Sun, 29 Jan 2012 21:11:12 +0000
Subject: [acom-list] HV Capacitor Cb2.2 Failed

Hi all,

I Was about half an hour away from the start of the BARTG Sprint contest when I powered up the ACOM 1000 which is about 3 years old, after about 30 seconds of the warm up period I heard a loud crack and and error message on the display stating a safety circuit shutdown.

Upon investigation I found the capacitor Cb2.2 a 2.2n/10KV ceramic disc had flashed over blowing a small section from the side and causing the capacitor to go short circuit, This capacitor is the first on the HV supply side of the RF choke just after the HV safety crow bar.

I notice on the original schematic that these caps are rated at 6KV not 10KV, so I'm thinking maybe an upgrade has already been done in the manufacture process.

Looking back through the site I see this has happened before with no real reason for the failure orther than a weak capacitor maybe

Anyway I would like to know if anyone knows of a source of these HV ceramic disc caps at a reasonable price?

Thanks

Jim M0CKE

[Non-text portions of this message have been removed]

4747. RE: [acom-list] HV Capacitor Cb2.2 Failed

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-30 13:38:51 UTC
From: John Lemay
Topic: 4742 Message: 4747

Jim

Had a failure here too, where two of those capacitors failed. The amplifier was quite young at the time.

It caused failure of other nearby components and I had to return my amp for attention, via Vine.

The 6kV rating should be sufficient for a line that has about 2800v on it, so perhaps the components were not up to spec.

Regards

John G4ZTR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of jim balls
Sent: 29 January 2012 21:11
To: acom-list@yahoogroups.com
Subject: [acom-list] HV Capacitor Cb2.2 Failed

Hi all,

I Was about half an hour away from the start of the BARTG Sprint contest when I powered up the ACOM 1000 which is about 3 years old, after about 30 seconds of the warm up period I heard a loud crack and and error message on the display stating a safety circuit shutdown.

Upon investigation I found the capacitor Cb2.2 a 2.2n/10KV ceramic disc had flashed over blowing a small section from the side and causing the capacitor to go short circuit, This capacitor is the first on the HV supply side of the RF choke just after the HV safety crow bar.

I notice on the original schematic that these caps are rated at 6KV not 10KV, so I'm thinking maybe an upgrade has already been done in the manufacture process.

Looking back through the site I see this has happened before with no real reason for the failure orther than a weak capacitor maybe

Anyway I would like to know if anyone knows of a source of these HV ceramic disc caps at a reasonable price?

Thanks

Jim M0CKE

_____ Information from ESET NOD32 Antivirus, version of virus signature database 6837 (20120129) _____

The message was checked by ESET NOD32 Antivirus.

http://www.eset.com

[Non-text portions of this message have been removed]

4748. Acom 1011 . IP Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-30 15:42:06 UTC
From: Davide Pisani
Topic: 4748 Message: 4748

Hello everybody,
I'm reporting an IP-Failure on my acom1011 amplifier.
When I try to transmit, the "IP" led and the "F" led turn on and the amplifier goes on stand-by.
This will happen again and again and again.

When I noticed this failure, one month ago, it was a rare event...so I thought it was RFI on the cables.
Day by day this rare event turned into a much more regular event and now I can't use it at all.
I have to say that, when I can operate without this IP-Failure the amps is working good.

What can be the problem, in your opinion? I'm suspecting one of the tubes is not properly working.
best 73!
Davide IZ8ESX

PS: sorry for my bad english, I know I have to improve it :)

[Non-text portions of this message have been removed]

4749. Re: New ACOM web site

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-30 17:09:16 UTC
From: n1zj
Topic: 4733 Message: 4749

> 1b. Re: New ACOM web site
> Posted by: "bill ny9h" ny9h@... ny9h
> Date: Sun Jan 29, 2012 6:45 am ((PST))
>
> if the world would all use flash , then apple would have to allow
> flash in the ipad.... but till then ,,, i'll use my htc & other
> stuff to go there,,,,

Not very likely. This past November Adobe announced that they would be phasing out Flash for mobile applications and moving to HTML5, the standard that replaces it and then some. They have already released a conversion tool for Flash content. Flash is a CPU hog, and has not kept up with audio and video standards. Flash is very entrenched, but it seems that even Adobe can see the handwriting ?

John, N1ZJ

[Non-text portions of this message have been removed]

4750. Re: Acom 1011 . IP Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-30 20:19:01 UTC
From: Dean St. Hill
Topic: 4750 Message: 4750

I couldn't tell you what the specific problem is but I would give two pieces of basic advice. If you come across a fault, assume the worse and check it out, an email to the manufacturer/dealer may be all that is required. Secondly until you figure out what the problem is avoid using the equipment as at some point it will probably lead to catastrophic and unpredictable failure.

Just my $ .02 worth based on my own expensive mistakes.

73's, Dean 8P6SH

[Non-text portions of this message have been removed]

4751. Re: Acom 1011 . IP Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-31 07:28:11 UTC
From: Davide
Topic: 4750 Message: 4751

Thank you!
I'm going to send it back to the dealer.
I've seen on a forum that the ACOM 1011 could suffer for tubes failure, I'm sure the dealer will help me solving this problem.
I will let you know. 73!
Davide

--- In acom-list@yahoogroups.com, "Dean St. Hill" <dmsthill@...> wrote:
>
> I couldn't tell you what the specific problem is but I would give two
> pieces of basic advice. If you come across a fault, assume the worse and
> check it out, an email to the manufacturer/dealer may be all that is
> required. Secondly until you figure out what the problem is avoid using the
> equipment as at some point it will probably lead to catastrophic and
> unpredictable failure.
>
> Just my $ .02 worth based on my own expensive mistakes.
>
> 73's, Dean 8P6SH
>
>
> [Non-text portions of this message have been removed]
>

4752. info acom1010 change gu74b 4cx800

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-31 17:22:07 UTC
From: iz8huj
Topic: 4752 Message: 4752

good evening I have some info to change the valve to acom1010. On ebay there are many listings gu74b/4cx800 NOS. I read on several forums that since it's NOS tubes, must first be preheated to prevent it from breaking. I wanted to ask if buying a NOS GU74B simply leave the acom1010 lit for 10 hours to do the warm-up or you have to do a special procedure?
someone has bought gu74b/4cx800 NOS? hello all

4753. Re: info acom1010 change gu74b 4cx800

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-31 17:38:11 UTC
From: Davide
Topic: 4752 Message: 4753

Ciao, in rete ho trovato questo: http://www.ve1dx.net/acomtube/
spero ti possa essere utile.
ciao!

Hello, I found this searching thru the net: http://www.ve1dx.net/acomtube/
I hope this will be helpful.

Davide IZ8ESX

--- In acom-list@yahoogroups.com, "iz8huj" <iz8huj@...> wrote:
>
> good evening I have some info to change the valve to acom1010. On ebay there are many listings gu74b/4cx800 NOS. I read on several forums that since it's NOS tubes, must first be preheated to prevent it from breaking. I wanted to ask if buying a NOS GU74B simply leave the acom1010 lit for 10 hours to do the warm-up or you have to do a special procedure?
> someone has bought gu74b/4cx800 NOS? hello all
>

4755. Re: info acom1010 change gu74b 4cx800

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-31 20:46:12 UTC
From: iz8huj
Topic: 4752 Message: 4755

--- In acom-list@yahoogroups.com, "Davide" <iz8esx@...> wrote:
>
> Ciao, in rete ho trovato questo: http://www.ve1dx.net/acomtube/
> spero ti possa essere utile.
> ciao!
>
> Hello, I found this searching thru the net: http://www.ve1dx.net/acomtube/
> I hope this will be helpful.
>
> Davide IZ8ESX
>
>
> --- In acom-list@yahoogroups.com, "iz8huj" <iz8huj@> wrote:
> >
> > good evening I have some info to change the valve to acom1010. On ebay there are many listings gu74b/4cx800 NOS. I read on several forums that since it's NOS tubes, must first be preheated to prevent it from breaking. I wanted to ask if buying a NOS GU74B simply leave the acom1010 lit for 10 hours to do the warm-up or you have to do a special procedure?
> > someone has bought gu74b/4cx800 NOS? hello all
> >
>
ciao Davide , grazie per la rispota .
Questo link lo avevo gia visto . il problema che ho trovato solo questo link , quindi vorrei essere sicuro che il preriscaldamento del tubo va fatto solamente lasciandolo acceso per 5 ore.
quindi chiedo se qualcuno ha gia usato questo metodo.
ciao grazie

Hello David, thank you for rispota.
This link I had already seen. The only problem I found this link, so I want to be sure that the preheating of the pipe should be done only by leaving it on for 5 hours.
so I ask if someone has already used this method.
Hello, thanks

4756. Re: [acom-list] Re: info acom1010 change gu74b 4cx800

Yahoo group: acom-list (2010 — 2016)
Date: 2012-01-31 20:52:50 UTC
From: Paul M Dunphy
Topic: 4752 Message: 4756

At 04:46 PM 1/31/2012, you wrote:

>--- In acom-list@yahoogroups.com, "Davide" <iz8esx@...> wrote:
> >
> > Ciao, in rete ho trovato questo: http://www.ve1dx.net/acomtube/
> > spero ti possa essere utile.
> > ciao!
> >
> > Hello, I found this searching thru the net: http://www.ve1dx.net/acomtube/
> > I hope this will be helpful.
> >
> > Davide IZ8ESX
> >
> >
> > --- In acom-list@yahoogroups.com, "iz8huj" <iz8huj@> wrote:
> > >
> > > good evening I have some info to change the valve to acom1010.
> On ebay there are many listings gu74b/4cx800 NOS. I read on several
> forums that since it's NOS tubes, must first be preheated to
> prevent it from breaking. I wanted to ask if buying a NOS GU74B
> simply leave the acom1010 lit for 10 hours to do the warm-up or you
> have to do a special procedure?
> > > someone has bought gu74b/4cx800 NOS? hello all
> > >
> >
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>quindi chiedo se qualcuno ha gia usato questo metodo.
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>
>Hello David, thank you for rispota.
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> so I want to be sure that the preheating of the pipe should be done
> only by leaving it on for 5 hours.
> so I ask if someone has already used this method.
> Hello, thanks
>

Try this link. I used this procedure on 3 NOS tubes and it
seemed to work fine:

http://blog.kotarak.net/2009/02/gettering-gu74b-4cx800a.html

73, Paul VE1DX

4757. RE: [acom-list] Re: info acom1010 change gu74b 4cx800

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-01 07:09:49 UTC
From: Kees - pa7two
Topic: 4752 Message: 4757

Concerning new tubes "pre burning", I can tell you that it can be of use with old tubes which have been on shelf and never heated for longer than several (say 5) years. The pre-burning procedure involves 1-2 hours "heater only" mode (air cooling is required also in this period). This will improve the vacuum depth. Two useful effects can result:
a) The probability for an internal flash (voltage break-down) is minimized. This rarely happens with this tube. For maximum protection, the anode voltage should be applied in steps of 25%,keeping for 15 minutes
b) The cathode surface is saved from heavy ion "bombing" which could irreversible ruin the cathode emitting capability otherwise.
Practically, when using a new tube first time, it is useful to let it run for 1-2 hours without going to OPER mode (I have seen recommendations for up to 10-12 hours but this seems unnecessary to me). The amplifier is properly protected against tube flashes, so disconnecting the high voltages for this period is superfluous. Even though a flashover could occur, the amplifier will protect itself and also the tube and you can usually restart the procedure. Flash-overs quickly improve the vacuum and the tube could fully restore after that. Should flash-overs happen continuously, such tube is 100% junk and even 24h with only heater applied would not help. The important issue is not to draw any current from the cathode at least one hour after having applied heater voltage for the first time after a years-long pause.
The whole procedure could be skipped if the tube has been in use in the latest three years. If you are not sure about the tube history however, it is best to run this procedure. It would not harm but if you would fail to do pre-burning for a tube which has been for long on the shelf, you risk to lose it - any procedure would be ineffective after current has been drawn from cathode under poor-vacuum conditions.
?
73 Stan LZ1IU
Sofia, 22 December 2005.

Date: Tue, 22 Jan 2008 09:08:32 -0500
Subject: [acom-list] Re: Degassing and gettering a tube

Fully install the tubes and turn on the amp. Let it sit in standby for
5-6 hours. Then go to operate and run the amp in intermittent service
(a nice CW rag-chew) at half output power for 30 minutes, and that's it
for gettering. To complete the job - run the tube replacement bias
adjustments per the amp's tech manual.
The common failure in a tube with some gas is an anode arc-over.
However, since the DC anode voltage in these amps is substantially lower
than the maximum allowed for the tube, and in standby the control grid
is biased WAY off, and the screen voltage is zero, the chances of an
anode arc are negligible. The tube would have to be total junk to arc
under these conditions. I would be interested in hearing from anyone
who has ever had an anode arc-over bringing up a NOS GU-74b in an ACOM
amp.

A not unrealistic alternative is to buy a used (or NOS) socket on eBay,
and with some air blowing up through the socket simply power the
filament of the tube in question at full filament voltage for a few
hours. You cannot simply clip-lead on to the filament pins and power
the filament. Without the socket and cooling air the filament seals
will be destroyed in short order.

73 Stan LZ1IU
Sofia, 22 December 2005.

Vy 73, de Kees.

AmateurRadio : PA7TWO
- M5TWO Locator: JO22jp.

To: acom-list@yahoogroups.com
From: iz8huj@...
Date: Tue, 31 Jan 2012 20:46:12 +0000
Subject: [acom-list] Re: info acom1010 change gu74b 4cx800

--- In acom-list@yahoogroups.com, "Davide" <iz8esx@...> wrote:

>

> Ciao, in rete ho trovato questo: http://www.ve1dx.net/acomtube/

> spero ti possa essere utile.

> ciao!

>

> Hello, I found this searching thru the net: http://www.ve1dx.net/acomtube/

> I hope this will be helpful.

>

> Davide IZ8ESX

>

>

> --- In acom-list@yahoogroups.com, "iz8huj" <iz8huj@> wrote:

> >

> > good evening I have some info to change the valve to acom1010. On ebay there are many
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be preheated to prevent it from breaking. I wanted to ask if buying a NOS GU74B simply
leave the acom1010 lit for 10 hours to do the warm-up or you have to do a special
procedure?

> > someone has bought gu74b/4cx800 NOS? hello all

> >

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quindi chiedo se qualcuno ha gia usato questo metodo.

ciao grazie

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This link I had already seen. The only problem I found this link, so I want to be sure that the preheating of the pipe should be done only by leaving it on for 5 hours.

so I ask if someone has already used this method.

Hello, thanks

[Non-text portions of this message have been removed]

4758. 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 00:39:10 UTC
From: Dick Flanagan
Topic: 4752 Message: 4758

When I switch to a new band on my 2000A, I adjust the drive until the first red LED lights (1.6 KW) and then I back off just until the LED goes off.

I just tried that on 17M (18,100 kHz) and was unable to get the first red LED to light (1.6 KW). The output indicators would go up to 1.4 KW, but any increase in drive would not increase the output any further.

If I continue to increase the drive power I will eventually get a drive fault, but the output (as measured by the output LEDs and an external watt meter) does not go above 1.4 KW. SWR is low and none of the reflected LEDs light.

All other bands seem to operate normally. Is there anything unique about 17M and the 2000A?

Dick
--
Dick Flanagan K7VC
dick@...

4759. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 00:41:09 UTC
From: Barry N1EU
Topic: 4752 Message: 4759

Did you try retuning?

Barry N1EU

On Thu, Feb 2, 2012 at 12:39 AM, Dick Flanagan <dick@...> wrote:

> **
>
>
> When I switch to a new band on my 2000A, I adjust the drive until the
> first red LED lights (1.6 KW) and then I back off just until the LED
> goes off.
>
> I just tried that on 17M (18,100 kHz) and was unable to get the first
> red LED to light (1.6 KW). The output indicators would go up to 1.4 KW,
> but any increase in drive would not increase the output any further.
>
> If I continue to increase the drive power I will eventually get a drive
> fault, but the output (as measured by the output LEDs and an external
> watt meter) does not go above 1.4 KW. SWR is low and none of the
> reflected LEDs light.
>
> All other bands seem to operate normally. Is there anything unique
> about 17M and the 2000A?
>
> Dick
> --
> Dick Flanagan K7VC
> dick@...
>
>

[Non-text portions of this message have been removed]

4760. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 00:42:43 UTC
From: Dick Flanagan
Topic: 4752 Message: 4760

No. I will try that later this evening. Thanks for the tip (I am new
to the 2000A).

Dick
--
Dick Flanagan K7VC
dick@...

On 2/1/2012 4:41 PM, Barry N1EU wrote:
> Did you try retuning?
>
> Barry N1EU
>
> On Thu, Feb 2, 2012 at 12:39 AM, Dick Flanagan<dick@...> wrote:
>
>> **
>>
>>
>> When I switch to a new band on my 2000A, I adjust the drive until the
>> first red LED lights (1.6 KW) and then I back off just until the LED
>> goes off.
>>
>> I just tried that on 17M (18,100 kHz) and was unable to get the first
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>> but any increase in drive would not increase the output any further.
>>
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>> watt meter) does not go above 1.4 KW. SWR is low and none of the
>> reflected LEDs light.
>>
>> All other bands seem to operate normally. Is there anything unique
>> about 17M and the 2000A?
>>
>> Dick
>> --
>> Dick Flanagan K7VC
>> dick@...
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4761. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 00:54:13 UTC
From: Jim Cox
Topic: 4752 Message: 4761

The 2000 comes with presets that may or may not match you antennas. You need to autotune the amp on each segment to match your antennas, these user presets are then saved and used in the future.
Jim K4JAF

From: Dick Flanagan
Sent: Wednesday, February 01, 2012 6:42 PM
To: acom-list@...m
Subject: Re: [acom-list] 17M Anomaly

No. I will try that later this evening. Thanks for the tip (I am new to the 2000A).

Dick
--
Dick Flanagan K7VC
mailto:dick%40k7vc.com

On 2/1/2012 4:41 PM, Barry N1EU wrote:
> Did you try retuning?
>
> Barry N1EU
>
> On Thu, Feb 2, 2012 at 12:39 AM, Dick Flanagan<mailto:dick%40k7vc.com> wrote:
>
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>>
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>> If I continue to increase the drive power I will eventually get a drive
>> fault, but the output (as measured by the output LEDs and an external
>> watt meter) does not go above 1.4 KW. SWR is low and none of the
>> reflected LEDs light.
>>
>> All other bands seem to operate normally. Is there anything unique
>> about 17M and the 2000A?
>>
>> Dick
>> --

>> Dick Flanagan K7VC
>> mailto:dick%40k7vc.com
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4762. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 02:48:06 UTC
From: Dick Flanagan
Topic: 4752 Message: 4762

Well, the anomaly has been corrected, but not really explained....

I went out to check the tuning. First I fired up on 18.100 as I had done before to verify the anomaly was still present. The remote showed I was using a USR preset for 18.000-18.150 and I was again unable to indicate more than 1.4 KW output.

I went through the AutoTune procedure and was than able to get full output from the amp. While re-tuning obviously corrected the problem, it does beg the question as to why did the amp go out of tune? The antenna did not change and the SWR was very low both before and after the re-tuning.

What I don't recall is what frequency I used for the initial 17M tuning. Should I have to go through the AutoTune procedure for each frequency segment? In other words, now what I have tuned the amp for the 18.000-18.150 segment, if I want to operate on 18.200 should I expect to have to re-tune for the 18.150-18.300 segment?

Is it common for the amp, itself, to go out of tune requiring re-tuning? I have only had the amp for a few weeks and I still have a lot to learn about it. I appreciate everyone's help.

Dick
--
Dick Flanagan K7VC
dick@...

On 2/1/2012 4:54 PM, Jim Cox wrote:
> The 2000 comes with presets that may or may not match you antennas. You need to autotune the amp on each segment to match your antennas, these user presets are then saved and used in the future.
> Jim K4JAF
>
>
> From: Dick Flanagan
> Sent: Wednesday, February 01, 2012 6:42 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] 17M Anomaly
>
>
> No. I will try that later this evening. Thanks for the tip (I am new
> to the 2000A).
>
> Dick
> --

> Dick Flanagan K7VC
> mailto:dick%40k7vc.com
>
> On 2/1/2012 4:41 PM, Barry N1EU wrote:
>> Did you try retuning?
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>> Barry N1EU
>>
>> On Thu, Feb 2, 2012 at 12:39 AM, Dick Flanagan<mailto:dick%40k7vc.com> wrote:
>>
>>> **
>>>
>>>
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>>> fault, but the output (as measured by the output LEDs and an external
>>> watt meter) does not go above 1.4 KW. SWR is low and none of the
>>> reflected LEDs light.
>>>
>>> All other bands seem to operate normally. Is there anything unique
>>> about 17M and the 2000A?
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>>> Dick
>>> --
>>> Dick Flanagan K7VC
>>> mailto:dick%40k7vc.com
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4763. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 05:23:15 UTC
From: Philippe ON4VP
Topic: 4752 Message: 4763

Hi,

Sometimes even with an antenna that is perfectly matched for a specific band can change in impedance due to external factors. Rain, icing, fog, nearby structures, etc... can make the impedance shift a bit resulting in the amp that needs to be retuned.

I learned never to take it for granted that all my antennas remain tuned all the time. The goal here is to always observe every antenna before operating.

I'm not sure this is what happened but it is one of the possible explanations for your issues.
73, Phil ON4VP

2012/2/2 Dick Flanagan <dick@...>

> **
>
> I went through the AutoTune procedure and was than able to get full
> output from the amp. While re-tuning obviously corrected the problem,
> it does beg the question as to why did the amp go out of tune? The
> antenna did not change and the SWR was very low both before and after
> the re-tuning.
>

[Non-text portions of this message have been removed]

4764. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 13:13:15 UTC
From: Jim Cox
Topic: 4752 Message: 4764

You need to tune the amp for each segment. Jim K4JAF

From: Dick Flanagan
Sent: Wednesday, February 01, 2012 8:48 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 17M Anomaly

Well, the anomaly has been corrected, but not really explained....

I went out to check the tuning. First I fired up on 18.100 as I had done before to verify the anomaly was still present. The remote showed I was using a USR preset for 18.000-18.150 and I was again unable to indicate more than 1.4 KW output.

I went through the AutoTune procedure and was than able to get full output from the amp. While re-tuning obviously corrected the problem, it does beg the question as to why did the amp go out of tune? The antenna did not change and the SWR was very low both before and after the re-tuning.

What I don't recall is what frequency I used for the initial 17M tuning. Should I have to go through the AutoTune procedure for each frequency segment? In other words, now what I have tuned the amp for the 18.000-18.150 segment, if I want to operate on 18.200 should I expect to have to re-tune for the 18.150-18.300 segment?

Is it common for the amp, itself, to go out of tune requiring re-tuning? I have only had the amp for a few weeks and I still have a lot to learn about it. I appreciate everyone's help.

Dick
--
Dick Flanagan K7VC
mailto:dick%40k7vc.com

On 2/1/2012 4:54 PM, Jim Cox wrote:
> The 2000 comes with presets that may or may not match you antennas. You need to autotune the amp on each segment to match your antennas, these user presets are then saved and used in the future.
> Jim K4JAF
>
>
> From: Dick Flanagan
> Sent: Wednesday, February 01, 2012 6:42 PM
> To: mailto:acom-list%40yahoogroups.com
> Subject: Re: [acom-list] 17M Anomaly
>

>
> No. I will try that later this evening. Thanks for the tip (I am new
> to the 2000A).
>
> Dick
> --
> Dick Flanagan K7VC
> mailto:dick%40k7vc.com
>
> On 2/1/2012 4:41 PM, Barry N1EU wrote:
>> Did you try retuning?
>>
>> Barry N1EU
>>
>> On Thu, Feb 2, 2012 at 12:39 AM, Dick Flanagan<mailto:dick%40k7vc.com> wrote:
>>
>>> **
>>>
>>>
>>> When I switch to a new band on my 2000A, I adjust the drive until the
>>> first red LED lights (1.6 KW) and then I back off just until the LED
>>> goes off.
>>>
>>> I just tried that on 17M (18,100 kHz) and was unable to get the first
>>> red LED to light (1.6 KW). The output indicators would go up to 1.4 KW,
>>> but any increase in drive would not increase the output any further.
>>>
>>> If I continue to increase the drive power I will eventually get a drive
>>> fault, but the output (as measured by the output LEDs and an external
>>> watt meter) does not go above 1.4 KW. SWR is low and none of the
>>> reflected LEDs light.
>>>
>>> All other bands seem to operate normally. Is there anything unique
>>> about 17M and the 2000A?
>>>
>>> Dick
>>> --
>>> Dick Flanagan K7VC
>>> mailto:dick%40k7vc.com
>>>
>>>
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>>
>> [Non-text portions of this message have been removed]
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>> Yahoo! Groups Links

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4765. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 13:18:12 UTC
From: Barry N1EU
Topic: 4752 Message: 4765

On Thu, Feb 2, 2012 at 2:48 AM, Dick Flanagan <dick@...> wrote:

> **
>
>
> While re-tuning obviously corrected the problem,
> it does beg the question as to why did the amp go out of tune? The
> antenna did not change and the SWR was very low both before and after
> the re-tuning.
>
> I typically re-tune all involved segments before each major contest. I
think periodic retuning is good practice, with no down side.

Barry N1EU

[Non-text portions of this message have been removed]

4766. Re: [acom-list] 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 13:45:35 UTC
From: georgek5kg@aol.com
Topic: 4752 Message: 4766

I periodically retune my 2000A, especially when I begin seeing the drive lamp flicker as I increase power. Retuning seems to cure that.

After I retune it, she always breaths a sigh of release, and gives me a big thank you!

73, Geo...

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 2/2/2012 8:19:30 A.M. Eastern Standard Time, barry.n1eu@... writes:

On Thu, Feb 2, 2012 at 2:48 AM, Dick Flanagan <dick@...> wrote:

> **
>
>
> While re-tuning obviously corrected the problem,
> it does beg the question as to why did the amp go out of tune? The
> antenna did not change and the SWR was very low both before and after
> the re-tuning.
>
> I typically re-tune all involved segments before each major contest. I think periodic retuning is good practice, with no down side.

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4767. Re: 17M Anomaly

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-02 18:38:15 UTC
From: dickgreen03755
Topic: 4752 Message: 4767

> Is it common for the amp, itself, to go out of tune requiring re-tuning?

No. If your amp is new, it's most likely that you didn't tune the particular frequency you're using or some external factor changed the impedance of the antenna after you tuned the amp for it.

Note that SWR does not tell the whole story when it comes to tuning. Even resonant antennas present a unique combination of capacitance, inductance and resistance (i.e., impedance) that must be matched by the amp.

Also note that it is, in fact, possible for the amp to go out of tune, but this would be more likely if the amp is used and/or has a lot of miles on it. I know of two possible causes:

1. If the nut that secures the plates of the Load capacitor loosens up, the momentum of the relatively heavy plates can cause them to swing past the point where the stepper motor stopped (dragging the stepper motor with them.)

2. The detents in older stepper motors can wear, again causing the plates to miss the target position.

The symptom is that you tune the amp for a particular segment, then go off to another segment, band, antenna, etc. When you come back to the exact same frequency, the antenna is no longer tuned. Typically, you can't drive the amp to full power, which is what you found on 17m. This happened to me on all bands, and on advice from the factory I ended up replacing both stepper motors. In the course of doing that, I discovered that the real cause was the loose nut on the Load plates, described in #1 above.

73, Dick WC1M

4768. Re: info acom1010 change gu74b 4cx800

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-10 16:10:08 UTC
From: iz8huj
Topic: 4752 Message: 4768

Hello everyone,
regarding the procedure described by LZ1IU for replacement of the valve on the ACOM1010, wanted to ask another clarification.
When I turn the ACOM1010, after a short heating time, automatically switches operated mode. So that means that time is giving me high voltage to the valve? If I have to getting the valve, then wait 5/6 hours stadby before going to operate, how can I avoid passing in automatic mode made to avoid giving high tube voltage and then create his own failure?
Or even if the amplifier will operate in nothing happens, but it's important not to convey?
I await your response
73 IZ8HUJ
IZ8HUJ@...

Ciao a tutti ,
riguardo la procedura descritta da LZ1IU per la sostituzione della valvola sul ACOM1010 , volevo chiedere un'altro chiarimento.
Quando accendo l'ACOM1010 , dopo un breve tempo di riscaldamento , passa in automatico in modalità operate . Quindi significa che in quel momento mi sta dando alta tensione alla valvola ? Se io devo fare il condizionamento della valvola , quindi aspettare 5/6 ore in stadby prima di passare in operate , come faccio ad evitare che passa in automatico in modalita operate per evitare di dare alta tensione al tubo e quindi creare una sua rottura ?
Oppure anche se l'amplificatore passa in operate non succede nulla , ma l'importante è non trasmettere ?
Aspetto una vostra risposta
73 IZ8HUJ
IZ8HUJ@...

> Fully install the tubes and turn on the amp. Let it sit in standby for
> 5-6 hours. Then go to operate and run the amp in intermittent service
> (a nice CW rag-chew) at half output power for 30 minutes, and that's it
> for gettering. To complete the job - run the tube replacement bias
> adjustments per the amp's tech manual.
> The common failure in a tube with some gas is an anode arc-over.
> However, since the DC anode voltage in these amps is substantially lower
> than the maximum allowed for the tube, and in standby the control grid
> is biased WAY off, and the screen voltage is zero, the chances of an
> anode arc are negligible. The tube would have to be total junk to arc
> under these conditions. I would be interested in hearing from anyone
> who has ever had an anode arc-over bringing up a NOS GU-74b in an ACOM
> amp.
>
> A not unrealistic alternative is to buy a used (or NOS) socket on eBay,
> and with some air blowing up through the socket simply power the
> filament of the tube in question at full filament voltage for a few
> hours. You cannot simply clip-lead on to the filament pins and power
> the filament. Without the socket and cooling air the filament seals

> will be destroyed in short order.
>
> 73 Stan LZ1IU
> Sofia, 22 December 2005.
>
>
>
> Vy 73, de Kees.
>
> AmateurRadio : PA7TWO
> - M5TWO Locator: JO22jp.
>
> To: acom-list@yahoogroups.com
> From: iz8huj@...
> Date: Tue, 31 Jan 2012 20:46:12 +0000
> Subject: [acom-list] Re: info acom1010 change gu74b 4cx800
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>
> --- In acom-list@yahoogroups.com, "Davide" <iz8esx@> wrote:
>

> >
>
> > Ciao, in rete ho trovato questo: http://www.ve1dx.net/acomtube/
>
> > spero ti possa essere utile.
>
> > ciao!
>
> >
>
> > Hello, I found this searching thru the net: http://www.ve1dx.net/acomtube/
>
> > I hope this will be helpful.
>
> >
>
> > Davide IZ8ESX
>
> >
>
> >
>
> > --- In acom-list@yahoogroups.com, "iz8huj" <iz8huj@> wrote:
>
> > >
>
> > > good evening I have some info to change the valve to acom1010. On ebay there are many listings gu74b/4cx800 NOS. I read on several forums that since it's NOS tubes, must first be preheated to prevent it from breaking. I wanted to ask if buying a NOS GU74B simply leave the acom1010 lit for 10 hours to do the warm-up or you have to do a special procedure?
>
> > > someone has bought gu74b/4cx800 NOS? hello all
>
> > >
>
> > >
>
> ciao Davide , grazie per la rispota .
>
> Questo link lo avevo gia visto . il problema che ho trovato solo questo link , quindi vorrei essere sicuro che il preriscaldamento del tubo va fatto solamente lasciandolo acceso per 5 ore.
>
> quindi chiedo se qualcuno ha gia usato questo metodo.
>
> ciao grazie
>
>
>

> Hello David, thank you for rispota.
>
> This link I had already seen. The only problem I found this link, so I want to be sure that the preheating of the pipe should be done only by leaving it on for 5 hours.
>
> so I ask if someone has already used this method.
>
> Hello, thanks
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> [Non-text portions of this message have been removed]
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4769. Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 14:20:39 UTC
From: Bob
Topic: 4769 Message: 4769

New member alert! Greetings, all, from a likely soon-to-be
Alpha convert.

I put a deposit on an Alpha 9500 and should get notice
soon the amp is ready. I also have an Alpha 87A which
has developed high grid current recently. When I ask
RF Concepts about how to troubleshoot it, they say "Have
you looked at the schematics?" No, I'm not kidding.

Sorry, but schmatics are worthless without some documentation
on test points, acceptable voltages/currents, etc. After
getting nowhere with them on e-mails over the last two weeks,
I am a hair's breadth from (1) throwing my Alpha 87A into
the Hudson River (after removing the transformer so I don't
warp the chassis during transport), (2) calling RF Concepts
and getting a refund on my Alpha 9500 deposit, and (3)
ordering an Acom 2000A.

It is an artifact of ham radio that while transceiver
technology advancements cause radios to be obsoleted every
few years, amplifier technology has been pretty stable over
the last 40 years. The venerable Heath SB-220 is not too
conceptually different from many offered today, outside of
internal computer control. My point is, companies should
offer superior support on legacy amplifiers, because people
simply hold onto them longer! My Alpha 87A is the immediate
predecessor to the 9500, but getting support on it is
proving to be more painful than it is worth. If they simply
offered a service manual, I could at least have a chance
of fixing it before I die of old age waiting for them to
reply to my e-mails with their useless drivel...

The more research I do, the more I am becoming convinced
that going with the Acom 2000A would be one of the wisest
things I can do with my hard-earned beans.

Any experiences and advice from the membership would be
greatly appreciated.

Thanks in advance and 73,

Bob WA4FOM

4770. Re: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 14:32:12 UTC
From: Dick Flanagan
Topic: 4769 Message: 4770

Rumor has it the Alpha 9500 mailing list is full of unhappy people.
This list tends to be quiet as there is very little to complain about.

Dick

--
Dick Flanagan K7VC
dick@...

On 2/12/2012 6:20 AM, Bob wrote:
> New member alert! Greetings, all, from a likely soon-to-be
> Alpha convert.
>
> I put a deposit on an Alpha 9500 and should get notice
> soon the amp is ready. I also have an Alpha 87A which
> has developed high grid current recently. When I ask
> RF Concepts about how to troubleshoot it, they say "Have
> you looked at the schematics?" No, I'm not kidding.
>
> Sorry, but schmatics are worthless without some documentation
> on test points, acceptable voltages/currents, etc. After
> getting nowhere with them on e-mails over the last two weeks,
> I am a hair's breadth from (1) throwing my Alpha 87A into
> the Hudson River (after removing the transformer so I don't
> warp the chassis during transport), (2) calling RF Concepts
> and getting a refund on my Alpha 9500 deposit, and (3)
> ordering an Acom 2000A.
>
> It is an artifact of ham radio that while transceiver
> technology advancements cause radios to be obsoleted every
> few years, amplifier technology has been pretty stable over
> the last 40 years. The venerable Heath SB-220 is not too
> conceptually different from many offered today, outside of
> internal computer control. My point is, companies should
> offer superior support on legacy amplifiers, because people
> simply hold onto them longer! My Alpha 87A is the immediate
> predecessor to the 9500, but getting support on it is
> proving to be more painful than it is worth. If they simply
> offered a service manual, I could at least have a chance
> of fixing it before I die of old age waiting for them to
> reply to my e-mails with their useless drivel...
>
> The more research I do, the more I am becoming convinced
> that going with the Acom 2000A would be one of the wisest

> things I can do with my hard-earned beans.
>
> Any experiences and advice from the membership would be
> greatly appreciated.
>
> Thanks in advance and 73,
>
> Bob WA4FOM
>
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> Yahoo! Groups Links
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4771. RE: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 14:43:30 UTC
From: bmarton
Topic: 4769 Message: 4771

Bob,

For what it might be worth in terms of making your decision, I pass on this to you:

My Acom 2000A developed a problem with one of the tubes suddenly running much hotter than the other. I called Krassy on his cell phone

to discuss the problem and the conclusion was that one of the tubes was failing. Krassy drove up to my house on that following weekend

with a box of spare new tubes and we installed one after another until the parameters matched perfectly in the amp and the temperature differential

was within 1 or 2 degrees between tubes. He then ran through a complete alignment and the Acom has been up and running perfectly ever since.

Krassy and I got on the air and worked a group of stations then had dinner with a great time hanging out for the evening. May I ask what company

you know of in which the CEO drives an hour and an half to see your station and repair your amp for you?

I am totally sold on Acom and the product is the best on the market with great customer service. And what other company gives you the CEO's

cell phone number to have? The total cost of repair with new tubes; dinner.

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob
Sent: Sunday, February 12, 2012 9:21 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

New member alert! Greetings, all, from a likely soon-to-be Alpha convert.

I put a deposit on an Alpha 9500 and should get notice soon the amp is ready. I also have an Alpha 87A which has developed high grid current recently. When I ask RF Concepts about how to troubleshoot it, they say "Have

you looked at the schematics?" No, I'm not kidding.

Sorry, but schmatics are worthless without some documentation on test points, acceptable voltages/currents, etc. After getting nowhere with them on e-mails over the last two weeks, I am a hair's breadth from (1) throwing my Alpha 87A into the Hudson River (after removing the transformer so I don't warp the chassis during transport), (2) calling RF Concepts and getting a refund on my Alpha 9500 deposit, and (3) ordering an Acom 2000A.

It is an artifact of ham radio that while transceiver technology advancements cause radios to be obsoleted every few years, amplifier technology has been pretty stable over the last 40 years. The venerable Heath SB-220 is not too conceptually different from many offered today, outside of internal computer control. My point is, companies should offer superior support on legacy amplifiers, because people simply hold onto them longer! My Alpha 87A is the immediate predecessor to the 9500, but getting support on it is proving to be more painful than it is worth. If they simply offered a service manual, I could at least have a chance of fixing it before I die of old age waiting for them to reply to my e-mails with their useless drivel...

The more research I do, the more I am becoming convinced that going with the Acom 2000A would be one of the wisest things I can do with my hard-earned beans.

Any experiences and advice from the membership would be greatly appreciated.

Thanks in advance and 73,

Bob WA4FOM

[Non-text portions of this message have been removed]

4772. Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 14:51:06 UTC
From: Bob
Topic: 4769 Message: 4772

Thanks much! One or two more testimonials like that
and I'm ordering the Acom!

--- In acom-list@yahoogroups.com, "bmarton" <bmarton@...> wrote:
>
> Bob,
>
>
>
> For what it might be worth in terms of making your decision, I pass on this
> to you:
>
>
>
> My Acom 2000A developed a problem with one of the tubes suddenly running
> much hotter than the other. I called Krassy on his cell phone
>
> to discuss the problem and the conclusion was that one of the tubes was
> failing. Krassy drove up to my house on that following weekend
>
> with a box of spare new tubes and we installed one after another until the
> parameters matched perfectly in the amp and the temperature differential
>
> was within 1 or 2 degrees between tubes. He then ran through a complete
> alignment and the Acom has been up and running perfectly ever since.
>
>
>
> Krassy and I got on the air and worked a group of stations then had dinner
> with a great time hanging out for the evening. May I ask what company
>
> you know of in which the CEO drives an hour and an half to see your station
> and repair your amp for you?
>
>
>
> I am totally sold on Acom and the product is the best on the market with
> great customer service. And what other company gives you the CEO's
>
> cell phone number to have? The total cost of repair with new tubes;
> dinner.
>
>
>

> Bruce K1XR
> -----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Bob
> Sent: Sunday, February 12, 2012 9:21 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Requesting advice: Seriously considering dumping Alpha
> 87A for Acom 2000A
> New member alert! Greetings, all, from a likely soon-to-be
> Alpha convert.
> I put a deposit on an Alpha 9500 and should get notice
> soon the amp is ready. I also have an Alpha 87A which
> has developed high grid current recently. When I ask
> RF Concepts about how to troubleshoot it, they say "Have
> you looked at the schematics?" No, I'm not kidding.
> Sorry, but schmatics are worthless without some documentation
> on test points, acceptable voltages/currents, etc. After
> getting nowhere with them on e-mails over the last two weeks,
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> the Hudson River (after removing the transformer so I don't
> warp the chassis during transport), (2) calling RF Concepts
> and getting a refund on my Alpha 9500 deposit, and (3)
> ordering an Acom 2000A.
> It is an artifact of ham radio that while transceiver
> technology advancements cause radios to be obsoleted every
> few years, amplifier technology has been pretty stable over
> the last 40 years. The venerable Heath SB-220 is not too

> conceptually different from many offered today, outside of
> internal computer control. My point is, companies should
> offer superior support on legacy amplifiers, because people
> simply hold onto them longer! My Alpha 87A is the immediate
> predecessor to the 9500, but getting support on it is
> proving to be more painful than it is worth. If they simply
> offered a service manual, I could at least have a chance
> of fixing it before I die of old age waiting for them to
> reply to my e-mails with their useless drivel...
>
> The more research I do, the more I am becoming convinced
> that going with the Acom 2000A would be one of the wisest
> things I can do with my hard-earned beans.
>
> Any experiences and advice from the membership would be
> greatly appreciated.
>
> Thanks in advance and 73,
>
> Bob WA4FOM
>
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>
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>
> [Non-text portions of this message have been removed]
>

4773. Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 14:53:54 UTC
From: Bob
Topic: 4769 Message: 4773

Just out of curiosity, from where did you order the amp?
Array Solutions?

Thanks!

Bob
--- In acom-list@yahoogroups.com, "bmarton" <bmarton@...> wrote:
>
> Bob,
>
>
>
> For what it might be worth in terms of making your decision, I pass on this
> to you:
>
>
>
> My Acom 2000A developed a problem with one of the tubes suddenly running
> much hotter than the other. I called Krassy on his cell phone
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>
>
>
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>
>
>
> I am totally sold on Acom and the product is the best on the market with
> great customer service. And what other company gives you the CEO's
>
> cell phone number to have? The total cost of repair with new tubes;
> dinner.

> Bruce K1XR
> _____
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
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> Sent: Sunday, February 12, 2012 9:21 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Requesting advice: Seriously considering dumping Alpha
> 87A for Acom 2000A
> New member alert! Greetings, all, from a likely soon-to-be
> Alpha convert.
> I put a deposit on an Alpha 9500 and should get notice
> soon the amp is ready. I also have an Alpha 87A which
> has developed high grid current recently. When I ask
> RF Concepts about how to troubleshoot it, they say "Have
> you looked at the schematics?" No, I'm not kidding.
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> technology advancements cause radios to be obsoleted every
> few years, amplifier technology has been pretty stable over
> the last 40 years. The venerable Heath SB-220 is not too
> conceptually different from many offered today, outside of
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> offer superior support on legacy amplifiers, because people
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> predecessor to the 9500, but getting support on it is
> proving to be more painful than it is worth. If they simply
> offered a service manual, I could at least have a chance
> of fixing it before I die of old age waiting for them to
> reply to my e-mails with their useless drivel...
>
> The more research I do, the more I am becoming convinced
> that going with the Acom 2000A would be one of the wisest
> things I can do with my hard-earned beans.
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> Any experiences and advice from the membership would be
> greatly appreciated.
>
> Thanks in advance and 73,
>
> Bob WA4FOM
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> [Non-text portions of this message have been removed]
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4774. RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 14:58:18 UTC
From: bmarton
Topic: 4769 Message: 4774

I purchased my amp from the Medford, MA Acom sales office, which at the time was the only sales branch in the US.

Krassy and Will run this company. I know very little of the Array Solutions sales department, however I have had some dealings with them on other products and they too were very good.

Bruce K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob
Sent: Sunday, February 12, 2012 9:54 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Just out of curiosity, from where did you order the amp?
Array Solutions?

Thanks!

Bob
--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , "bmarton" <bmarton@...> wrote:
>
> Bob,
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>
> For what it might be worth in terms of making your decision, I pass on this
> to you:
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>
> My Acom 2000A developed a problem with one of the tubes suddenly running
> much hotter than the other. I called Krassy on his cell phone
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> failing. Krassy drove up to my house on that following weekend
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> with a box of spare new tubes and we installed one after another until the
> parameters matched perfectly in the amp and the temperature differential

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> was within 1 or 2 degrees between tubes. He then ran through a complete
> alignment and the Acom has been up and running perfectly ever since.
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> Krassy and I got on the air and worked a group of stations then had dinner
> with a great time hanging out for the evening. May I ask what company
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> you know of in which the CEO drives an hour and an half to see your
station
> and repair your amp for you?
>
>
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> I am totally sold on Acom and the product is the best on the market with
> great customer service. And what other company gives you the CEO's
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> cell phone number to have? The total cost of repair with new tubes;
> dinner.
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[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
> Of Bob
> Sent: Sunday, February 12, 2012 9:21 AM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] Requesting advice: Seriously considering dumping
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> 87A for Acom 2000A
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> New member alert! Greetings, all, from a likely soon-to-be
> Alpha convert.
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> RF Concepts about how to troubleshoot it, they say "Have
> you looked at the schematics?" No, I'm not kidding.
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> [Non-text portions of this message have been removed]
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4775. RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 15:05:55 UTC
From: W5OV@w5ov.com
Topic: 4769 Message: 4775

Will is no longer working with Krassy and Krassy is winding down his business with Acom.

Array Solutions has been working with Acom Bulgaria and Krassy to transition sales and support for about 3 years. We have all amplifiers in stock.

73,

Bob W5OV
Array Solutions

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> time
> was the only sales branch in the US.
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> Bruce K1XR
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> Of Bob
> Sent: Sunday, February 12, 2012 9:54 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Requesting advice: Seriously considering dumping
> Alpha 87A for Acom 2000A
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4776. RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 15:24:24 UTC
From: bmarton
Topic: 4769 Message: 4776

I did not know this and I am sad to hear that they are getting out of the business as Krassy is very good at Acom.

However I am sure that Array Solutions will prove to be just as good to deal with; the only difference being I won't be able to simply drive over with the amp in the event of troubles.

Bruce

K1XR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: Sunday, February 12, 2012 10:06 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Will is no longer working with Krassy and Krassy is winding down his business with Acom.

Array Solutions has been working with Acom Bulgaria and Krassy to transition sales and support for about 3 years. We have all amplifiers in stock.

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Bob W5OV
Array Solutions

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[Non-text portions of this message have been removed]

4777. Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 17:38:05 UTC
From: W1JCW
Topic: 4769 Message: 4777

One of the best decisions you will ever make !!

I had a similar issue with Alpha and Molly. The two engineers I spoke with were okay to work with
and went of their way to help me. Then I was told by Molly that if I needed further phone support
I would have to pay for it !! BS I told her. She then offered an RMA option and I sent the controller
board into them. That turned out to be the old bait and switch in that Molly tells me that they cannot
fix it for the price she quoted ! Of course we had a long conversation about this.
I told her what I thought and that she just lost a 9500 customer over deceptive practices too !

I shopped for the Acom 2000a and found a gem. I'm extremely happy with the performance and very impressed with the customer service which you don't need because they amp does not have
the quirky things wrong with it that Alpha products do.

By the Acom and you will love yourself for it there is one for sale on qth.com at this time.

73-
W1JCW
John

From: Bob
Sent: Sunday, February 12, 2012 8:20 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

New member alert! Greetings, all, from a likely soon-to-be
Alpha convert.

I put a deposit on an Alpha 9500 and should get notice
soon the amp is ready. I also have an Alpha 87A which
has developed high grid current recently. When I ask
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you looked at the schematics?" No, I'm not kidding.

Sorry, but schmatics are worthless without some documentation
on test points, acceptable voltages/currents, etc. After
getting nowhere with them on e-mails over the last two weeks,
I am a hair's breadth from (1) throwing my Alpha 87A into
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and getting a refund on my Alpha 9500 deposit, and (3) ordering an Acom 2000A.

It is an artifact of ham radio that while transceiver technology advancements cause radios to be obsoleted every few years, amplifier technology has been pretty stable over the last 40 years. The venerable Heath SB-220 is not too conceptually different from many offered today, outside of internal computer control. My point is, companies should offer superior support on legacy amplifiers, because people simply hold onto them longer! My Alpha 87A is the immediate predecessor to the 9500, but getting support on it is proving to be more painful than it is worth. If they simply offered a service manual, I could at least have a chance of fixing it before I die of old age waiting for them to reply to my e-mails with their useless drivel...

The more research I do, the more I am becoming convinced that going with the Acom 2000A would be one of the wisest things I can do with my hard-earned beans.

Any experiences and advice from the membership would be greatly appreciated.

Thanks in advance and 73,

Bob WA4FOM

[Non-text portions of this message have been removed]

4778. RE: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 17:41:40 UTC
From: Callum Web Consultant
Topic: 4769 Message: 4778

Bob,

If there is a way of getting your deposit back - then go for an ACOM 2000. You will have this amplifier long after everything else in your shack has been replaced.

Of course, you are asking the wrong people here becasue we are already converts but the testimonials from here - even after the brown stuff has hit the fan (and it does sometimes) is amazing. I do not know of one person with any ACOM products that are fundamentally unhappy with either the product - or the service (whether that be locally delivered or straight from the factory).

.. but the product itself is atterly awe-inspiring! :)

Callum.

[Non-text portions of this message have been removed]

4779. Re: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 17:59:45 UTC
From: George Steube
Topic: 4769 Message: 4779

Hi Bob,
I have had an both the 87A and now an Acom 2KA. Both work well and no complaints about the Alpha. I have not see any problems with either amp. I have been on this reflector since before I purchase my Acom from the guys in New England about 4 years ago. Any time some one mentions a problem I have seen nothing but helpful advice and even suggestions of contacting the factory in Bulgaria. Since Array Solutions has been selling the amp they have also jumped in with helpful advice. The community involved with the Acom are supportive and helpful. I believe the Acom is still cheaper than the Alpha so to me it's a no brainer.
73
George
W2GS

On 2/12/2012 8:20 AM, Bob wrote:
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> New member alert! Greetings, all, from a likely soon-to-be
> Alpha convert.
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[Non-text portions of this message have been removed]

4780. Re: [acom-list] Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 18:02:26 UTC
From: Hans Remeeus
Topic: 4769 Message: 4780

Hello,

For about half a year or so I had the Alpha 87A side-by-side with the Acom 2000A. Very good to compare!

I noticed a hughe difference in output power of the Alpha 87A, with exactly the same input power from the exciter. E.g. 1kW on most of the bands and 2.2kW on 24 MHz. This could bring me in big problems with my antenna tuner and other devices. And of course with my license ;-)

After a few months the Alpha 87A stopped working on 40 Meters. When I sent questions to Alpha I had to wait for at least one week and still get a very moderate answer. I sent three messages and got one answer which did'nt gave me a solution for my problem. After two more messages and one week waiting still no reply! Glenn was okay, but when Glenn was not available there was nobody else who could help with good technical advise. This is a real horror story when you buy a linear amplifier of $7.000!

We did some investigations on our own and saw that a part of the bandswitch was burned. Note that the Alpha 87A is an automatic linear and I did'nt switch anything while transmitting.
It was a lot of work to fix the problem with the bandswitch.

I sold the 87A.

When you send e-mail to Acom you will get a full reply, sometimes with photos, drawings and diagrams, the same day or the day after. Stan LZ1IU is PERFECT!!

The only thing I really liked of the 87A was the look. I like black coloured sets. When I would be a designer of Acom I had made it all black, instead of the dull colour they have now.

73!

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 12-2-2012 18:38, W1JCW schreef:
> One of the best decisions you will ever make !!
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> I had a similar issue with Alpha and Molly. The two engineers I spoke with were okay to work with
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> By the Acom and you will love yourself for it there is one for sale on qth.com at this time.
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> 73-
> W1JCW
> John
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> Sent: Sunday, February 12, 2012 8:20 AM
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>
> I put a deposit on an Alpha 9500 and should get notice
> soon the amp is ready. I also have an Alpha 87A which
> has developed high grid current recently. When I ask
> RF Concepts about how to troubleshoot it, they say "Have
> you looked at the schematics?" No, I'm not kidding.
>
> Sorry, but schmatics are worthless without some documentation
> on test points, acceptable voltages/currents, etc. After
> getting nowhere with them on e-mails over the last two weeks,
> I am a hair's breadth from (1) throwing my Alpha 87A into
> the Hudson River (after removing the transformer so I don't
> warp the chassis during transport), (2) calling RF Concepts
> and getting a refund on my Alpha 9500 deposit, and (3)
> ordering an Acom 2000A.
>
> It is an artifact of ham radio that while transceiver

> technology advancements cause radios to be obsoleted every
> few years, amplifier technology has been pretty stable over
> the last 40 years. The venerable Heath SB-220 is not too
> conceptually different from many offered today, outside of
> internal computer control. My point is, companies should
> offer superior support on legacy amplifiers, because people
> simply hold onto them longer! My Alpha 87A is the immediate
> predecessor to the 9500, but getting support on it is
> proving to be more painful than it is worth. If they simply
> offered a service manual, I could at least have a chance
> of fixing it before I die of old age waiting for them to
> reply to my e-mails with their useless drivel...
>
> The more research I do, the more I am becoming convinced
> that going with the Acom 2000A would be one of the wisest
> things I can do with my hard-earned beans.
>
> Any experiences and advice from the membership would be
> greatly appreciated.
>
> Thanks in advance and 73,
>
> Bob WA4FOM
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4781. RE: [acom-list] Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 18:30:42 UTC
From: stephen.tripp@snet.net
Topic: 4769 Message: 4781

I just came from the Florida Hamfest and Alpha was there. I mentioned the issue about getting a detailed schematic and service for the 87a amp. He claimed the will service any amp and will provide the same schematic their techs use. Of course this is a sales rep claiming this so one must consider the source.
I have had my 2000a since 2001 (does that make it a 2001a) and had 2 tbls with it that Will and Krassy took care of for free snd it was one of their demo smps. Great amp and company.
Steve K1IIG

Sent via DroidX2 on Verizon Wireless™

[Non-text portions of this message have been removed]

4782. Acom 2000A mounted vertically??

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 19:14:15 UTC
From: nu6x
Topic: 4782 Message: 4782

Due to space considerations, I want to put the 2000A RF deck under my desk setup vertically with the right side (transformer side) down. The tube specs say the tube can be mounted in any position. Acom test the 2000A in that position but seem to be a little nervous about long term usage in that position though they have not seen any failures due to this.

Is anybody running their amp in this position???

Thanks....Mark NU6X Sedona, AZ

4783. Re: [acom-list] Acom 2000A mounted vertically??

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 19:35:28 UTC
From: KR5DX
Topic: 4782 Message: 4783

This does not sound like a good idea to me.
The amp is designed to stand flat on its feet.
I foresee heat issues and also stress on the chassis with the 50lbs transformer "hanging" from the chassis.
Perhaps a call to Array Solutions would give you the right answer.
73
NJ0F (ex KR5DX)

Sent from my iPhone

On Feb 12, 2012, at 1:14 PM, "nu6x" <nu6x@...> wrote:

> Due to space considerations, I want to put the 2000A RF deck under my desk setup vertically with the right side (transformer side) down. The tube specs say the tube can be mounted in any position. Acom test the 2000A in that position but seem to be a little nervous about long term usage in that position though they have not seen any failures due to this.
>
> Is anybody running their amp in this position???
>
> Thanks....Mark NU6X Sedona, AZ
>
>

[Non-text portions of this message have been removed]

4784. Re: [acom-list] Acom 2000A mounted vertically??

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 20:25:49 UTC
From: Dick Flanagan
Topic: 4782 Message: 4784

Hi, Mark.

I think that would be a very bad idea. In time gravity could warp the tuning capacitors and the thought of that 50lb transformer just hanging by its four bolts--and the stress that would put on the chassis--would keep me awake at night.

As the Operator's Manual states "...take care not to torque or twist the chassis nor let the amplifier stand on edge."

Dick

--
Dick Flanagan K7VC
dick@...

On 2/12/2012 11:14 AM, nu6x wrote:
> Due to space considerations, I want to put the 2000A RF deck under my desk setup vertically with the right side (transformer side) down. The tube specs say the tube can be mounted in any position. Acom test the 2000A in that position but seem to be a little nervous about long term usage in that position though they have not seen any failures due to this.
>
> Is anybody running their amp in this position???
>
> Thanks....Mark NU6X Sedona, AZ
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4785. Re: [acom-list] Acom 2000A mounted vertically??

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 20:46:03 UTC
From: Mark Mumaw
Topic: 4782 Message: 4785

I did contact Array Solutions and Jay rapidly passed it on to Acom with the following reply:

"According to the tube producer specs, the GU74B can operate in any position (it has been in use on Russian airplanes). In fact we turn the amplifiers the way Mark is asking for but for several hours during tunings or repair and have had no problems. Anyway, I would prefer the normal position for prolonged periods.
**
**
**
*73 Stan LZ1IU"
*
I would also prefer to keep it horizontal but that would require other compromises that I don't want to have to make. I am mostly worried about the tube grids sagging and then shorting. I know a while back I heard of someone operating in that position. I'm trying to determine if anyone has been successful or unsuccessful in this prolonged operating position.

Thanks and 73.....Mark NU6X

On 2/12/2012 12:35 PM, KR5DX wrote:
>
> This does not sound like a good idea to me.
> The amp is designed to stand flat on its feet.
> I foresee heat issues and also stress on the chassis with the 50lbs
> transformer "hanging" from the chassis.
> Perhaps a call to Array Solutions would give you the right answer.
> 73
> NJ0F (ex KR5DX)
>
> Sent from my iPhone
>
> On Feb 12, 2012, at 1:14 PM, "nu6x" <nu6x@...
> <mailto:nu6x%40esedona.net>> wrote:
>
> > Due to space considerations, I want to put the 2000A RF deck under
> my desk setup vertically with the right side (transformer side) down.
> The tube specs say the tube can be mounted in any position. Acom test
> the 2000A in that position but seem to be a little nervous about long
> term usage in that position though they have not seen any failures due
> to this.
> >
> > Is anybody running their amp in this position???
> >

> > Thanks....Mark NU6X Sedona, AZ
> >
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4786. Re: [acom-list] Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 20:55:46 UTC
From: paul glassman
Topic: 4769 Message: 4786

John,

Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on the planet. Have you ever tried to get "free" Tech support for your 10 year old software? Call Dell and want FREE tech support for your 10 year old Dell computer? Did you ever call an auto mechanic, describe your issue over the phone and expect your repair to equal the estimate without the mechanic seeing the car? Shame on Molly for trying to help you over the phone and making the stupid mistake of giving you an ESTIMTE over the phone. She is straight forward one of the most honest people I have ever dealt with. I have owned 3 2000A's. No complaints about Acom or Alpha. I currently have an Alpha 9500.

Do you complain about the ATM fee? Does your Dr answer the phone, spend 20minutes on the phone with you for free? WOW.....hams are cheap!!

Best 73 Paul w8jn

Sent from Yahoo! Mail on Android

[Non-text portions of this message have been removed]

4787. Re: [acom-list] Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 20:57:53 UTC
From: K3BF@aol.com
Topic: 4769 Message: 4787

Amen Paul

In a message dated 2/12/2012 2:56:02 P.M. Central Standard Time,
highschooldiving@... writes:

John,
Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on
the planet. Have you ever tried to get "free" Tech support for your 10 year
old software? Call Dell and want FREE tech support for your 10 year old Dell
computer? Did you ever call an auto mechanic, describe your issue over the
phone and expect your repair to equal the estimate without the mechanic
seeing the car? Shame on Molly for trying to help you over the phone and
making the stupid mistake of giving you an ESTIMTE over the phone. She is
straight forward one of the most honest people I have ever dealt with. I have
owned 3 2000A's. No complaints about Acom or Alpha. I currently have an
Alpha 9500.
Do you complain about the ATM fee? Does your Dr answer the phone, spend
20minutes on the phone with you for free? WOW.....hams are cheap!!
Best 73 Paul w8jn

Sent from Yahoo! Mail on Android

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4788. Re: [acom-list] Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 21:12:30 UTC
From: Jim
Topic: 4769 Message: 4788

Bruce/Paul

Hope all is well.

KE4WY Jim

Sent from my Ipod

On Feb 12, 2012, at 3:57 PM, K3BF@... wrote:

> Amen Paul
>
>
> In a message dated 2/12/2012 2:56:02 P.M. Central Standard Time,
> highschooldiving@yahoo.com writes:
>
>
>
>
> John,
> Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on
> the planet. Have you ever tried to get "free" Tech support for your 10 year
> old software? Call Dell and want FREE tech support for your 10 year old Dell
> computer? Did you ever call an auto mechanic, describe your issue over the
> phone and expect your repair to equal the estimate without the mechanic
> seeing the car? Shame on Molly for trying to help you over the phone and
> making the stupid mistake of giving you an ESTIMTE over the phone. She is
> straight forward one of the most honest people I have ever dealt with. I have
> owned 3 2000A's. No complaints about Acom or Alpha. I currently have an
> Alpha 9500.
> Do you complain about the ATM fee? Does your Dr answer the phone, spend
> 20minutes on the phone with you for free? WOW........hams are cheap!!
> Best 73 Paul w8jn
>
> Sent from Yahoo! Mail on Android
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4789. Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 21:21:59 UTC
From: Bob
Topic: 4769 Message: 4789

Molly is indeed a nice person, and my intent wasn't to "mean-mouth" anyone. I think, though, I should get something better than "have you looked at the schematics?" over a two week period. Something like "try measuring at thus-and-such test point and let me know what you get" would have been something. I realize the 87A is considered obsolete, and I was not expecting instant miracles; I just expected something constructive, or maybe a link where I could download something that could be called a Service Manual so I could take a crack at it myself and not have to bug them constantly. Apparently this is classified information, assuming it exists...

Bob

-- In acom-list@yahoogroups.com, Jim <pywacker@...> wrote:
>
> Bruce/Paul
>
> Hope all is well.
>
> KE4WY Jim
>
> Sent from my Ipod
>
>
>
> On Feb 12, 2012, at 3:57 PM, K3BF@... wrote:
>
> > Amen Paul
> >
> >
> > In a message dated 2/12/2012 2:56:02 P.M. Central Standard Time,
> > highschooldiving@... writes:
> >
> >
> >
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> >
> > John,
> > Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on
> > the planet. Have you ever tried to get "free" Tech support for your 10 year
> > old software? Call Dell and want FREE tech support for your 10 year old Dell
> > computer? Did you ever call an auto mechanic, describe your issue over the
> > phone and expect your repair to equal the estimate without the mechanic
> > seeing the car? Shame on Molly for trying to help you over the phone and
> > making the stupid mistake of giving you an ESTIMTE over the phone. She is

> > straight forward one of the most honest people I have ever dealt with. I have
> > owned 3 2000A's. No complaints about Acom or Alpha. I currently have an
> > Alpha 9500.
> > Do you complain about the ATM fee? Does your Dr answer the phone, spend
> > 20minutes on the phone with you for free? WOW.....hams are cheap!!
> > Best 73 Paul w8jn
> >
> > Sent from Yahoo! Mail on Android
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4790. Re: [acom-list] Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 21:37:08 UTC
From: paul glassman
Topic: 4769 Message: 4790

Bob,
    First words out of thr csr's mouth at microsoft is please give me your credit card number. Paul w8jn

Sent from Yahoo! Mail on Android

[Non-text portions of this message have been removed]

4791. Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 21:50:53 UTC
From: Bob
Topic: 4769 Message: 4791

Guys, I'm not going down this path. Sooner or later this will deteriorate into a discussion of how the "no-code license" has compromised ham radio.

I had a bad experience. I e-mailed for free assistance. I got nothing constructive for two weeks. If someone had said "give us a credit card number" I would have given them the number. Apparently they don't have the time or personnel to ask for my money.

If I were cheap, I wouldn't have bought an Alpha in the first place. I'm just amazed at the lack of (1) constructive advice from them and (2) real service documentation for a product they no longer sell.

This is making my decision to get the Acom all the easier.

Bob

--- In acom-list@yahoogroups.com, paul glassman <highschooldiving@...> wrote:
>
> Bob,
>   First words out of thr csr's mouth at microsoft is please give me your credit card number. Paul w8jn
>
> Sent from Yahoo! Mail on Android
>
>
>
> [Non-text portions of this message have been removed]
>

4792. RE: [acom-list] Acom 2000A mounted vertically??

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-12 23:35:55 UTC
From: Hal Kennedy
Topic: 4782 Message: 4792

There is no problem running a 2000A on its side I know two people who have done it for years, transformer end down. The tubes don't care, and air flow is all "forced", not radiated or conducted. Its just not a problem.

N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of KR5DX
Sent: Sunday, February 12, 2012 2:35 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A mounted vertically??

This does not sound like a good idea to me.
The amp is designed to stand flat on its feet.
I foresee heat issues and also stress on the chassis with the 50lbs transformer "hanging" from the chassis.
Perhaps a call to Array Solutions would give you the right answer.
73
NJ0F (ex KR5DX)

Sent from my iPhone

On Feb 12, 2012, at 1:14 PM, "nu6x" <nu6x@...
<mailto:nu6x%40esedona.net> > wrote:

> Due to space considerations, I want to put the 2000A RF deck under my desk setup vertically with the right side (transformer side) down. The tube specs say the tube can be mounted in any position. Acom test the 2000A in that position but seem to be a little nervous about long term usage in that position though they have not seen any failures due to this.
>
> Is anybody running their amp in this position???
>
> Thanks....Mark NU6X Sedona, AZ
>
>

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4793. Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 01:29:20 UTC
From: W1JCW
Topic: 4769 Message: 4793

Paul -

I can bad mouth anyone I wish as it's part of the constitution. I know Molly, like her and still speak with her today.
I don't accept or tolerate being quoted one price and expect certain terms to have them changed once my parts are received or service
is to be delivered. I'm not complaining, I'm stating facts and this is why I don't own an alpha but own the Acom 2000a.

Your questions are all answered with a "no".

There is no shame on Molly indicated from me. For my case she was not a person of her word. If I provide a price for services and I made a mistake then guess what I eat it !

Yes hams are cheap I certainly know and understand this, so are many others that are not hams.

I'm a person of my word and I stick to it.

If I make a mistake I admit it and make it right regardless of the cost to myself .
I learn from my mistakes and don't make them it again.

73-
W1JCW
John

From: paul glassman
Sent: Sunday, February 12, 2012 2:55 PM
To: acom-list@yahoogroups.com ; w1jcw@...
Subject: Re: [acom-list] Dumping Alpha 87A for Acom 2000A

John,
Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on the planet. Have you ever tried to get "free" Tech support for your 10 year old software? Call Dell and want FREE tech support for your 10 year old Dell computer? Did you ever call an auto mechanic, describe your issue over the phone and expect your repair to equal the estimate without the mechanic seeing the car? Shame on Molly for trying to help you over the phone and making the stupid mistake of giving you an ESTIMTE over the phone. She is straight forward one of the most honest people I have ever dealt with. I have owned 3 2000A's. No complaints about Acom or Alpha. I currently have an Alpha 9500.
Do you complain about the ATM fee? Does your Dr answer the phone, spend 20minutes on the phone with you for free? WOW.....hams are cheap!!
Best 73 Paul w8jn

[Non-text portions of this message have been removed]

4794. Re: [acom-list] Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 01:46:58 UTC
From: paul glassman
Topic: 4769 Message: 4794

John, I agree with you. You are the worlds formost authority on your own opinion. Yes the constitution guarantees you the right to shout your opinion from the mountaintops. My opinion has always been, when someone wants to say something stupid, just get out of their way and let them shoot themselves in the foot. Oooopppssssss. That's not legal either. Just ask Plexico Burress. The only man on the planet who went to jail for shooting himself in the foot har har har ...... Best 73. Paul w8jn

That's my opinion and I'm sticking with it!

Sent from Yahoo! Mail on Android

[Non-text portions of this message have been removed]

4795. Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 07:34:17 UTC
From: dickgreen03755
Topic: 4769 Message: 4795

Bob,

I've owned an 87A for nearly 17 years and a 2000A for about 12 years. In my book, both amps are terrific: great design, great build quality.

Each amp has had its share of problems over the years, but this is s
something you would expect from devices of this nature. I've been lucky: I've never had to ship either amp for repair. I've been able to fix nearly all the problems myself, with some study of the schematics and help from the factory.

In three cases (once with the 87A and twice with the 2000A), the amps required service I couldn't perform, but I was able to drive the amp an hour or two to get service. In the case of the 87A, I was just lucky that their best tech was visiting our region. With the 2000A, I was just lucky that Krassy operates out of our region.

All in all, I've had to put very little money into the amps -- a darned sight less than car maintenance would have cost!

That brings me to customer support. There's no service manual for either amp, and the usefulness of the schematics is about the same -- sometimes helpful, sometimes not, and very few test point voltages. There have been numerous times when I've needed help from the factory, and I've always gotten it. But the experiences with the two companies has been quite different.

Service from RF Concepts depends on the problem. There are many problems they can diagnose quickly from the fault codes. I've seen Glenn from RF Concepts respond quickly with useful help about such problems on the Alpha87A reflector many times. The same has been true when I've emailed him or gotten him on the phone. He has a set of documents that describe troubleshooting for many of the fault codes and will email them to you.

That said, RF Concept's Brad is the world's expert on the 87A. He knows absolutely everything about that amp and has seen every problem under the sun. If you can get him on the phone for one minute you'll probably get the answer you need. One time I was going back and forth with Glenn on problems I was having with fault codes related to the TX PIN diodes, and Brad overheard Glenn's end of the conversation. Brad said, "Tell him to check L1 on the T/R board. The insulation has probably worn away". Sure enough, the insulation was gone and the inductor had arced and punched a hole in the PCB. The trouble is, Brad's their best tech and he's very, very busy.

This problem occurred last year, probably before they instituted the paid service call policy (I didn't have to pay for the call.) But I understand that time is money, my amp is *way*, *way* out of warranty, and Alpha should be paid for helping me. I'm perfectly willing to pay for phone service, provided it's reasonably efficient and effective. I agree that RF Concepts has a tendency to throw up their hands and say, "Send us the amp." It's probably cheaper for them in the long run. But its not always best for the customer.

Service from Acom has been excellent. Early on, Krassy took care of me, but I quickly learned that the folks at the factory in Bulgaria were very happy to help via email. In fact, the president of the company helped me back in the early 2000's when I first got the 2000A. Since then, Stan has been fantastic about answering all my questions, helping me to troubleshoot problems, and sending me detailed information about repairs and adjustments, often photo-illustrated! Fairly recently, he sent me some brand-new, relatively expensive parts to fix a problem that had nagged me since I bought the amp. Stan said that since the amp showed the problem when it was under warranty, they would replace the parts at no charge. All I had to do was pay postage.

I haven't dealt with Array Solutions on service yet, but I've always been happy with their service when I've bought other products from them, and I'm sure they do a good job on the 2000A.

The bottom line is that good service can be obtained for either amp. I would give the 2000A the advantage because 1) they don't charge for phone/email service, and 2) it's not an obsolete product. The latter is my biggest concern about the 87A: it's officially obsolete and some of the parts are no longer available from any source other than RF Concepts. When their stock runs out, it may not be possible to repair the amp without redesigning certain circuits (and maybe having to fool the fault sensors.)

Although my 87A is working well (knock on wood) and I feel confident that I can fix many problems with it, I've certainly been thinking about replacing it. But that gets into how I use my two amps:

The 87A is the primary amp in my SO2R contest station. I do 95% of my running on the 87A, and just use the 2000A for S&P. Consequently, the 87A gets a lot more use than the 2000A. There are two reasons I use the 87A for running. First, the PIN diodes are silent, and I used to have both amps in my shack. Now they're remote in the basement, so this reason is less important. However, vacuum relays do have a maximum number of cycles, and 6-8 contests per year will run up the cycles quickly, especially when QSK is used. The second reason I use the 87A is AlphaMax. I love the 87A's ability to tune on the fly. The 2000A has to be pre-programmed for every segment and every antenna. Luckily, I've written software to automatically select the antennas and segments on the 2000A, so this, too, is less of an issue than it used to be.

So what to do? Ideally, I would replace the 87A with a solid state amp, but no one is making a reliable 1500W solid state amp at an affordable price. I have no interest in the RF Concepts 9500: it has a lot of features I don't need and it's $1000 more than a new 2000A. And, like some of you, I've heard that some 9500 owners are not happy with the amp. That leaves only one choice: the 2000A. I should probably sell my 87A now, while I can still get good money for it, and buy a 2000A. But knowing me, I won't do it until the 87A reaches the end of its repairable lifetime. I just love the amp too much.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "Bob" <bobdobson@...> wrote:
>
>
> Molly is indeed a nice person, and my intent wasn't to "mean-
> mouth" anyone. I think, though, I should get something better
> than "have you looked at the schematics?" over a two week
> period. Something like "try measuring at thus-and-such test

> point and let me know what you get" would have been something.
> I realize the 87A is considered obsolete, and I was not
> expecting instant miracles; I just expected something constructive,
> or maybe a link where I could download something that could be
> called a Service Manual so I could take a crack at it myself
> and not have to bug them constantly. Apparently this is
> classified information, assuming it exists...
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> Bob
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> -- In acom-list@yahoogroups.com, Jim <pywacker@> wrote:
> >
> > Bruce/Paul
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> > Hope all is well.
> >
> > KE4WY Jim
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> >
> > On Feb 12, 2012, at 3:57 PM, K3BF@ wrote:
> >
> > > Amen Paul
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> > >
> > > In a message dated 2/12/2012 2:56:02 P.M. Central Standard Time,
> > > highschooldiving@ writes:
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> > >
> > > John,
> > > Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on
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> > > Do you complain about the ATM fee? Does your Dr answer the phone, spend
> > > 20minutes on the phone with you for free? WOW.....hams are cheap!!
> > > Best 73 Paul w8jn
> > >
> > > Sent from Yahoo! Mail on Android
> > >

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4796. Re: [acom-list] Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 12:15:13 UTC
From: Henry Ingwersen
Topic: 4769 Message: 4796

Correction: A service manual in CD format is available for the ACOM 2000A

73,

Henry, KT1J

From: dickgreen03755
Sent: Monday, February 13, 2012 2:34 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Dumping Alpha 87A for Acom 2000A

Bob,

I've owned an 87A for nearly 17 years and a 2000A for about 12 years. In my book, both amps are terrific: great design, great build quality.

Each amp has had its share of problems over the years, but this is s
something you would expect from devices of this nature. I've been lucky: I've never had to ship either amp for repair. I've been able to fix nearly all the problems myself, with some study of the schematics and help from the factory.

In three cases (once with the 87A and twice with the 2000A), the amps required service I couldn't perform, but I was able to drive the amp an hour or two to get service. In the case of the 87A, I was just lucky that their best tech was visiting our region. With the 2000A, I was just lucky that Krassy operates out of our region.

All in all, I've had to put very little money into the amps -- a darned sight less than car maintenance would have cost!

That brings me to customer support. There's no service manual for either amp, and the usefulness of the schematics is about the same -- sometimes helpful, sometimes not, and very few test point voltages. There have been numerous times when I've needed help from the factory, and I've always gotten it. But the experiences with the two companies has been quite different.

Service from RF Concepts depends on the problem. There are many problems they can diagnose quickly from the fault codes. I've seen Glenn from RF Concepts respond quickly with useful help about such problems on the Alpha87A reflector many times. The same has been true when I've emailed him or gotten him on the phone. He has a set of documents that describe troubleshooting for many of the fault codes and will email them to you.

That said, RF Concept's Brad is the world's expert on the 87A. He knows absolutely everything about that amp and has seen every problem under the sun. If you can get him on the phone for one minute you'll probably get the answer you need. One time I was going back and forth with Glenn on problems I was having with fault codes related to the TX PIN diodes, and Brad overheard Glenn's end of the conversation. Brad said, "Tell him to check L1 on the T/R board. The insulation has probably worn away". Sure enough, the insulation was gone and the inductor had arced and punched a hole in the PCB. The trouble is, Brad's

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This problem occurred last year, probably before they instituted the paid service call policy (I didn't have to pay for the call.) But I understand that time is money, my amp is *way*, *way* out of warranty, and Alpha should be paid for helping me. I'm perfectly willing to pay for phone service, provided it's reasonably efficient and effective. I agree that RF Concepts has a tendency to throw up their hands and say, "Send us the amp." It's probably cheaper for them in the long run. But its not always best for the customer.

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4806 - Release Date: 02/12/12

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4797. Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 17:04:57 UTC
From: dickgreen03755
Topic: 4769 Message: 4797

If you're referring to the Acom Technical CD, that only contains the operating manual, the schematics, and the old AcomTools program (which doesn't work on modern PCs.) If there's a real service manual available, I've never seen it. Has anyone else.

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4798. Re: Dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 17:19:38 UTC
From: Andrey
Topic: 4769 Message: 4798

For what is worth - when I got my ACOM 1000 (bought it used from a fellow ham, the amp was about 6 years old), I emailed ACOM Bulgaria with a couple of questions. I had no issues with the amp, just wanted to know what was the procedure for tube replacement. Next day, I received an email from Stan with a zip file attachment. The ZIP included everything - the whole service documentation, schematics, alingment procedures, picures of key components involving tube repacement etc. Pretty much everything that I might need to repair the amp by myself should I ever have to. He answerd all my questions in a great detail and was extremly helpful! He even offered a tour of the factory should I ever visit Bulgaria.
I noticed that I had an older firmware version and asked Stan about it - he offered to send me the BIN file so I can program my own EPROM right away or If I wanted I could have an EPROM chip already programmed with the latest firmware version. I asked for the chip and got one for free. He even went to the records and gave me information about my particular amp - when was manufactured, what was the original serial number and date code of the tube, alignment data, etc.

Here is another example of ACOM's dedication - when I bought the amp, there were some scratches on the side of the cover. I called Krassy on his cell (he has given me the number when we met the year before at Dayton) and asked to buy a replacement cover. His answer was: "I currently dont have any in stock. I am waiting for shipment from ACOM Bulgaria but we are going to get them in a few weeks. If you need to get it fixed really fast - just send me the old cover and I will arrange to have it stripped and powder coated and I promiss you it will look exactly as a new one! Oh, and btw d I'll do it for free, dont worry about it"

Now, that's a service, going out of his way to fix a few artificial scratches on a cover.

Hope this helps!

73
de Andrey, AE1S

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> > > > 20minutes on the phone with you for free? WOW.....hams are cheap!!
> > > > Best 73 Paul w8jn
> > > >
> > > > Sent from Yahoo! Mail on Android
> > > >
> > > > [Non-text portions of this message have been removed]
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> > > > Yahoo! Groups Links
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4806 - Release Date: 02/12/12
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> [Non-text portions of this message have been removed]
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4799. Re: Trading 87a for Acom 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 17:51:34 UTC
From: Kenneth
Topic: 4799 Message: 4799

I feel compelled to get in on this since I have had experience with both.

I have had a long line of Alpha amps, dating back to the ETO days.
My difficulties with Alpha started when I had a repair of the AC board on my 87a that cost me over $1600. A diode went out, they replaced the board. No wholesale replacement of caps, nada.
That put me on notice with them.

Later it was a problem getting a replacement fan for the bird cage.
It took over 6 months with a new story each time about having them soon, but no calls. No responses to emails. All of this was before
the company was sold.

I finally replaced the fan and sold the 87a. At that point I already had an ACOM 2000a and knew how solid the service was. I now have two Acom 2000a amps, and they have both had repairs. My eyes no longer allow me to dig into them, so repairs were done in Massachusetts, where I purchased them. I don't think I have paid a penny for these repairs, only the shipping one direction. Kassy and his staff have been great and I hate to see them leave the business. I have had no dealings with Array Solutions re Acom, but I only hope they are half as good.

Everything will eventually need repair. It is then that you really measure the value of who you are dealing with.

Ken K5WK

4800. Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 19:10:15 UTC
From: Bruce
Topic: 4769 Message: 4800

I now own an Acom 2000A that is a delight! It is simply a thing of ham radio beauty. I believe that replacing my three failed Alpha 9500's with this amplifier is one of the best decisions I have ever made in my ham radio "career". In the end Alpha/RF Concepts refunded all of my money and for this they get good marks but I'll never purchase another product from them Three strikes, well you know how it goes .. For what it is worth all three amps had different issues! At least they were not repeating the same mistakes! My Acom has only been here since late September but it has already been shown to be far more reliable than the best of the three Alpha 9500's that graced my shack. It just plain works! No more fault codes, no more black smoke nothing but quiet reliable power!

As to Molly, she is a delightful person that is always wonderful to talk to on the phone but in my experience she was challenged to act on the things she promised. I had countless numbers of instances of the amplifier failing where she would promise to send replacement parts and she would forget. Dealing with her lack of follow through was frustrating at best and at times it made me livid!
I know of a number of people who have Alpha 9500's and are doing well with them but if you want to "play the odds" buy the Acom. You'll be happy you did! I purchased my Acom from Array Solutions as they have a track record with me but I am sure you cannot go wrong working with Krassy. Both are a good bet....
73,
Bruce
AB1KC

--- In acom-list@yahoogroups.com, "stephen.tripp@..." <stephen.tripp@...> wrote:
>
> I just came from the Florida Hamfest and Alpha was there. I mentioned the issue about getting a detailed schematic and service for the 87a amp. He claimed the will service any amp and will provide the same schematic their techs use. Of course this is a sales rep claiming this so one must consider the source.
> I have had my 2000a since 2001 (does that make it a 2001a) and had 2 tbls with it that Will and Krassy took care of for free snd it was one of their demo smps. Great amp and company.
> Steve K1IIG
>
> Sent via DroidX2 on Verizon Wirelessâ☐¢
>
> [Non-text portions of this message have been removed]
>

4801. Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 19:18:20 UTC
From: William Beyer (WILD BILL)
Topic: 4769 Message: 4801

How do you get ANY better, then that !!!

Bill N2WB (WILD BILL)

DX RULES !!!

----- Original Message -----
From: Andrey
To: acom-list@yahoogroups.com
Sent: Monday, February 13, 2012 12:19 PM
Subject: [acom-list] Re: Dumping Alpha 87A for Acom 2000A

For what is worth - when I got my ACOM 1000 (bought it used from a fellow ham, the amp was about 6 years old), I emailed ACOM Bulgaria with a couple of questions. I had no issues with the amp, just wanted to know what was the procedure for tube replacement. Next day, I received an email from Stan with a zip file attachment. The ZIP included everything - the whole service documentation, schematics, alingment procedures, picures of key components involving tube repacement etc. Pretty much everything that I might need to repair the amp by myself should I ever have to. He answerd all my questions in a great detail and was extremly helpful! He even offered a tour of the factory should I ever visit Bulgaria.
I noticed that I had an older firmware version and asked Stan about it - he offered to send me the BIN file so I can program my own EPROM right away or If I wanted I could have an EPROM chip already programmed with the latest firmware version. I asked for the chip and got one for free. He even went to the records and gave me information about my particular amp - when was manufactured, what was the original serial number and date code of the tube, alignment data, etc.

Here is another example of ACOM's dedication - when I bought the amp, there were some scratches on the side of the cover. I called Krassy on his cell (he has given me the number when we met the year before at Dayton) and asked to buy a replacement cover. His answer was: "I currently dont have any in stock. I am waiting for shipment from ACOM Bulgaria but we are going to get them in a few weeks. If you need to get it fixed really fast - just send me the old cover and I will arrange to have it stripped and powder coated and I promiss you it will look exactly as a new one! Oh, and btw d I'll do it for free, dont worry about it"

Now, that's a service, going out of his way to fix a few artificial scratches on a cover.

Hope this helps!

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Henry Ingwersen" <kt1j@...> wrote:
>
> Correction: A service manual in CD format is available for the ACOM 2000A
>

> 73,
>
> Henry, KT1J
>
> From: dickgreen03755
> Sent: Monday, February 13, 2012 2:34 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Dumping Alpha 87A for Acom 2000A
>
>
> Bob,
>
> I've owned an 87A for nearly 17 years and a 2000A for about 12 years. In my book, both amps are terrific: great design, great build quality.
>
> Each amp has had its share of problems over the years, but this is s
> something you would expect from devices of this nature. I've been lucky: I've never had to ship either amp for repair. I've been able to fix nearly all the problems myself, with some study of the schematics and help from the factory.
>
> In three cases (once with the 87A and twice with the 2000A), the amps required service I couldn't perform, but I was able to drive the amp an hour or two to get service. In the case of the 87A, I was just lucky that their best tech was visiting our region. With the 2000A, I was just lucky that Krassy operates out of our region.
>
> All in all, I've had to put very little money into the amps -- a darned sight less than car maintenance would have cost!
>
> That brings me to customer support. There's no service manual for either amp, and the usefulness of the schematics is about the same -- sometimes helpful, sometimes not, and very few test point voltages. There have been numerous times when I've needed help from the factory, and I've always gotten it. But the experiences with the two companies has been quite different.
>
> Service from RF Concepts depends on the problem. There are many problems they can diagnose quickly from the fault codes. I've seen Glenn from RF Concepts respond quickly with useful help about such problems on the Alpha87A reflector many times. The same has been true when I've emailed him or gotten him on the phone. He has a set of documents that describe troubleshooting for many of the fault codes and will email them to you.
>
> That said, RF Concept's Brad is the world's expert on the 87A. He knows absolutely everything about that amp and has seen every problem under the sun. If you can get him on the phone for one minute you'll probably get the answer you need. One time I was going back and forth with Glenn on problems I was having with fault codes related to the TX PIN diodes, and Brad overheard Glenn's end of the conversation. Brad said, "Tell him to check L1 on the T/R board. The insulation has probably worn away". Sure enough, the insulation was gone and the inductor had arced and punched a hole in the PCB. The trouble is, Brad's their best tech and he's very, very busy.
>
> This problem occurred last year, probably before they instituted the paid service call

policy (I didn't have to pay for the call.) But I understand that time is money, my amp is *way*, *way* out of warranty, and Alpha should be paid for helping me. I'm perfectly willing to pay for phone service, provided it's reasonably efficient and effective. I agree that RF Concepts has a tendency to throw up their hands and say, "Send us the amp." It's probably cheaper for them in the long run. But its not always best for the customer.
>
> Service from Acom has been excellent. Early on, Krassy took care of me, but I quickly learned that the folks at the factory in Bulgaria were very happy to help via email. In fact, the president of the company helped me back in the early 2000's when I first got the 2000A. Since then, Stan has been fantastic about answering all my questions, helping me to troubleshoot problems, and sending me detailed information about repairs and adjustments, often photo-illustrated! Fairly recently, he sent me some brand-new, relatively expensive parts to fix a problem that had nagged me since I bought the amp. Stan said that since the amp showed the problem when it was under warranty, they would replace the parts at no charge. All I had to do was pay postage.
>
> I haven't dealt with Array Solutions on service yet, but I've always been happy with their service when I've bought other products from them, and I'm sure they do a good job on the 2000A.
>
> The bottom line is that good service can be obtained for either amp. I would give the 2000A the advantage because 1) they don't charge for phone/email service, and 2) it's not an obsolete product. The latter is my biggest concern about the 87A: it's officially obsolete and some of the parts are no longer available from any source other than RF Concepts. When their stock runs out, it may not be possible to repair the amp without redesigning certain circuits (and maybe having to fool the fault sensors.)
>
> Although my 87A is working well (knock on wood) and I feel confident that I can fix many problems with it, I've certainly been thinking about replacing it. But that gets into how I use my two amps:
>
> The 87A is the primary amp in my SO2R contest station. I do 95% of my running on the 87A, and just use the 2000A for S&P. Consequently, the 87A gets a lot more use than the 2000A. There are two reasons I use the 87A for running. First, the PIN diodes are silent, and I used to have both amps in my shack. Now they're remote in the basement, so this reason is less important. However, vacuum relays do have a maximum number of cycles, and 6-8 contests per year will run up the cycles quickly, especially when QSK is used. The second reason I use the 87A is AlphaMax. I love the 87A's ability to tune on the fly. The 2000A has to be pre-programmed for every segment and every antenna. Luckily, I've written software to automatically select the antennas and segments on the 2000A, so this, too, is less of an issue than it used to be.
>
> So what to do? Ideally, I would replace the 87A with a solid state amp, but no one is making a reliable 1500W solid state amp at an affordable price. I have no interest in the RF Concepts 9500: it has a lot of features I don't need and it's $1000 more than a new 2000A. And, like some of you, I've heard that some 9500 owners are not happy with the amp. That leaves only one choice: the 2000A. I should probably sell my 87A now, while I can still get good money for it, and buy a 2000A. But knowing me, I won't do it until the 87A reaches the end of its repairable lifetime. I just love the amp too much.
>
> 73, Dick WC1M

>
> --- In mailto:acom-list%40yahoogroups.com, "Bob" <bobdobson@> wrote:
> >
> >
> > Molly is indeed a nice person, and my intent wasn't to "mean-
> > mouth" anyone. I think, though, I should get something better
> > than "have you looked at the schematics?" over a two week
> > period. Something like "try measuring at thus-and-such test
> > point and let me know what you get" would have been something.
> > I realize the 87A is considered obsolete, and I was not
> > expecting instant miracles; I just expected something constructive,
> > or maybe a link where I could download something that could be
> > called a Service Manual so I could take a crack at it myself
> > and not have to bug them constantly. Apparently this is
> > classified information, assuming it exists...
> >
> > Bob
> >
> > -- In mailto:acom-list%40yahoogroups.com, Jim <pywacker@> wrote:
> > >
> > > Bruce/Paul
> > >
> > > Hope all is well.
> > >
> > > KE4WY Jim
> > >
> > > Sent from my Ipod
> > >
> > >
> > >
> > > On Feb 12, 2012, at 3:57 PM, K3BF@ wrote:
> > >
> > > > Amen Paul
> > > >
> > > >
> > > > In a message dated 2/12/2012 2:56:02 P.M. Central Standard Time,
> > > > highschooldiving@ writes:
> > > >
> > > >
> > > >
> > > >
> > > > John,
> > > > Sorry, I can't let you bad mouth Molly. Hams are the cheapest worms on
> > > > the planet. Have you ever tried to get "free" Tech support for your 10 year
> > > > old software? Call Dell and want FREE tech support for your 10 year old Dell
> > > > computer? Did you ever call an auto mechanic, describe your issue over the
> > > > phone and expect your repair to equal the estimate without the mechanic
> > > > seeing the car? Shame on Molly for trying to help you over the phone and
> > > > making the stupid mistake of giving you an ESTIMTE over the phone. She is
> > > > straight forward one of the most honest people I have ever dealt with. I have

> > > > owned 3 2000A's. No complaints about Acom or Alpha. I currently have an
> > > > Alpha 9500.
> > > > Do you complain about the ATM fee? Does your Dr answer the phone, spend
> > > > 20minutes on the phone with you for free? WOW.....hams are cheap!!
> > > > Best 73 Paul w8jn
> > > >
> > > > Sent from Yahoo! Mail on Android
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4806 - Release Date: 02/12/12
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4802. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 23:31:52 UTC
From: Bill Ockert - ND0B
Topic: 4769 Message: 4802

Bob,

To start, I do not think you can go wrong choosing ACOM. I bought my 2000A used two years ago and
have been mostly happy. It is not perfect but it is pretty good.

The Pros:

It IS a well built, legal limit auto tune amplifier that works very well. I am highly pleased with mine
and if someone offered to trade me an Alpha 9500 for it I would do it. Then I would sell the Alpha,
buy another ACOM and use the rest of the money to buy something else nice.

The Cons:

1. Do not expect either Acom America or Array Solutions to be of much help. When I have had issues I ended up emailing Acom Bulgaria... They are very helpful but it takes a day for each
iteration.

2. The serial interface is buggy and poorly documented. There are some quirks that will have you
scratching your head if you run into them. This may or may not be an issue depending on how much
you plan to automate station. My understanding from someone who has worked with both is Alpha
has their issues in this area also.

3. The arc fault detect circuit is subject to false tripping if there are any switching transients in the
transceiver and the antenna load is anything but perfectly matched and resistive. While it is not
well documented there are several ICOM, at least one TenTec and the Flex 5k with certain software
flavors. In the case of the ICOMs there is a high pass filter design floating around to handle it, in the
case of the TenTec and the Flex, there are software versions that fix it.

Hope this is of some help.

73 de Bill ND0B

From: Bob
Sent: Sunday, February 12, 2012 8:51 AM
To: acom-list@yahoogroups.com

Subject: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Thanks much! One or two more testimonials like that
and I'm ordering the Acom!

--- In mailto:acom-list%40yahoogroups.com, "bmarton" <bmarton@...> wrote:
>
> Bob,
>
>
>
> For what it might be worth in terms of making your decision, I pass on this
> to you:
>
>
>
> My Acom 2000A developed a problem with one of the tubes suddenly running
> much hotter than the other. I called Krassy on his cell phone
>
> to discuss the problem and the conclusion was that one of the tubes was
> failing. Krassy drove up to my house on that following weekend
>
> with a box of spare new tubes and we installed one after another until the
> parameters matched perfectly in the amp and the temperature differential
>
> was within 1 or 2 degrees between tubes. He then ran through a complete
> alignment and the Acom has been up and running perfectly ever since.
>
>
>
> Krassy and I got on the air and worked a group of stations then had dinner
> with a great time hanging out for the evening. May I ask what company
>
> you know of in which the CEO drives an hour and an half to see your station
> and repair your amp for you?
>
>
>
> I am totally sold on Acom and the product is the best on the market with
> great customer service. And what other company gives you the CEO's
>
> cell phone number to have? The total cost of repair with new tubes;
> dinner.
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> Bruce K1XR
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> -----
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> From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
> Of Bob
> Sent: Sunday, February 12, 2012 9:21 AM
> To: mailto:acom-list%40yahoogroups.com
> Subject: [acom-list] Requesting advice: Seriously considering dumping Alpha
> 87A for Acom 2000A
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>
> New member alert! Greetings, all, from a likely soon-to-be
> Alpha convert.
>
> I put a deposit on an Alpha 9500 and should get notice
> soon the amp is ready. I also have an Alpha 87A which
> has developed high grid current recently. When I ask
> RF Concepts about how to troubleshoot it, they say "Have
> you looked at the schematics?" No, I'm not kidding.
>
> Sorry, but schmatics are worthless without some documentation
> on test points, acceptable voltages/currents, etc. After
> getting nowhere with them on e-mails over the last two weeks,
> I am a hair's breadth from (1) throwing my Alpha 87A into
> the Hudson River (after removing the transformer so I don't
> warp the chassis during transport), (2) calling RF Concepts
> and getting a refund on my Alpha 9500 deposit, and (3)
> ordering an Acom 2000A.
>
> It is an artifact of ham radio that while transceiver
> technology advancements cause radios to be obsoleted every
> few years, amplifier technology has been pretty stable over
> the last 40 years. The venerable Heath SB-220 is not too
> conceptually different from many offered today, outside of
> internal computer control. My point is, companies should
> offer superior support on legacy amplifiers, because people

> simply hold onto them longer! My Alpha 87A is the immediate
> predecessor to the 9500, but getting support on it is
> proving to be more painful than it is worth. If they simply
> offered a service manual, I could at least have a chance
> of fixing it before I die of old age waiting for them to
> reply to my e-mails with their useless drivel...
>
> The more research I do, the more I am becoming convinced
> that going with the Acom 2000A would be one of the wisest
> things I can do with my hard-earned beans.
>
> Any experiences and advice from the membership would be
> greatly appreciated.
>
> Thanks in advance and 73,
>
> Bob WA4FOM
>
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>
> [Non-text portions of this message have been removed]
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4805 - Release Date: 02/12/12

[Non-text portions of this message have been removed]

4803. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-13 23:50:44 UTC
From: W5OV@w5ov.com
Topic: 4769 Message: 4803

Bill,

While you're correct that on very difficult problems, or especially on circumstances that we may not have seen before, consulting with Acom in Bulgaria may be necessary. It definitely streamlines the process by leveraging their much more extensive and varied experience.

Even so, I'd like to think we're marginally helpful to our customers from time to time.

73,

Bob W5OV
Array Solutions

> Bob,
>
> To start, I do not think you can go wrong choosing ACOM. I bought my
> 2000A used two years ago and
> have been mostly happy. It is not perfect but it is pretty good.
>
> The Pros:
>
> It IS a well built, legal limit auto tune amplifier that works very well.
> I am highly pleased with mine
> and if someone offered to trade me an Alpha 9500 for it I would do it.
> Then I would sell the Alpha,
> buy another ACOM and use the rest of the money to buy something else nice.
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> The Cons:
>
> 1. Do not expect either Acom America or Array Solutions to be of much
> help. When I have had
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> iteration.
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> 2. The serial interface is buggy and poorly documented. There are some
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> issue depending on how much
> you plan to automate station. My understanding from someone who has
> worked with both is Alpha
> has their issues in this area also.
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> 3. The arc fault detect circuit is subject to false tripping if there are
> any switching transients in the
> transceiver and the antenna load is anything but perfectly matched and
> resistive. While it is not
> well documented there are several ICOM, at least one TenTec and the Flex
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> case of the TenTec and the Flex, there are software versions that fix it.
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> Hope this is of some help.
>
> 73 de Bill ND0B
>
>
> From: Bob
> Sent: Sunday, February 12, 2012 8:51 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Requesting advice: Seriously considering dumping
> Alpha 87A for Acom 2000A
>
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> Thanks much! One or two more testimonials like that
> and I'm ordering the Acom!
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> --- In mailto:acom-list%40yahoogroups.com, "bmarton" <bmarton@...> wrote:
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>> Bob,
>>
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>> For what it might be worth in terms of making your decision, I pass on
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>> My Acom 2000A developed a problem with one of the tubes suddenly running
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>>
>>
>>
>> Krassy and I got on the air and worked a group of stations then had
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>> with a great time hanging out for the evening. May I ask what company
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>> Bruce K1XR
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>> From: mailto:acom-list%40yahoogroups.com
>> [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
>> Of Bob
>> Sent: Sunday, February 12, 2012 9:21 AM
>> To: mailto:acom-list%40yahoogroups.com
>> Subject: [acom-list] Requesting advice: Seriously considering dumping
>> Alpha
>> 87A for Acom 2000A
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>>
>> New member alert! Greetings, all, from a likely soon-to-be
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>> things I can do with my hard-earned beans.
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>> Any experiences and advice from the membership would be
>> greatly appreciated.
>>
>> Thanks in advance and 73,
>>
>> Bob WA4FOM
>>
>>
>>
>>
>>
>> [Non-text portions of this message have been removed]
>>

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>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4805 - Release Date: 02/12/12
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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4804. RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 02:10:48 UTC
From: Howard K2HK
Topic: 4769 Message: 4804

Bill,
I have owned my Acom since 1999 and have had a different experience, especially with one and three.
The Cons:
1. Do not expect either Acom America or Array Solutions to be of much help. When I have had issues I ended up emailing Acom Bulgaria... They are very helpful but it takes a day for each
iteration.
I have had excellent experiences with all three sources although I believe only Array Solutions and Acom Bulgaria are the current choices. There have been enough examples so I won't go into mine but in every instance and they were very few the response was outstanding.
2. The serial interface is buggy and poorly documented. There are some quirks that will have you
scratching your head if you run into them. This may or may not be an issue depending on how much
you plan to automate station. My understanding from someone who has worked with both is Alpha
has their issues in this area also.
No argument here. It was never a high point and not touted by the company when the amp was introduced.

3. The arc fault detect circuit is subject to false tripping if there are any switching transients in the
transceiver and the antenna load is anything but perfectly matched and resistive. While it is not
well documented there are several ICOM, at least one TenTec and the Flex 5k with certain software
flavors. In the case of the ICOMs there is a high pass filter design floating around to handle it, in the
case of the TenTec and the Flex, there are software versions that fix it.

This is where I strongly disagree. The arc default has never been buggy just sensitive to problems within the output path. It has limited many problems that might be difficult to find until the damage has been done. Poor connections, high resistance shorts, poor coax and the more obvious problems will certainly shut down the system. When I first put my amp inline in 1999 I thought the same way you did until I eventually learned the amp responded like no other I knew at that time. I eventually learned all the arc faults were exactly that. I guess you might say it is also a high priced system check. By the way I am using the original tubes with the same output that they had 13 years ago.
Howard..K2HK

To: acom-list@yahoogroups.com
From: nd0b@...

Date: Mon, 13 Feb 2012 17:31:52 -0600
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bob,

To start, I do not think you can go wrong choosing ACOM. I bought my 2000A used two years ago and

have been mostly happy. It is not perfect but it is pretty good.

The Pros:

It IS a well built, legal limit auto tune amplifier that works very well. I am highly pleased with mine

and if someone offered to trade me an Alpha 9500 for it I would do it. Then I would sell the Alpha,

buy another ACOM and use the rest of the money to buy something else nice.

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1. Do not expect either Acom America or Array Solutions to be of much help. When I have had issues I ended up emailing Acom Bulgaria... They are very helpful but it takes a day for each
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case of the TenTec and the Flex, there are software versions that fix it.

Hope this is of some help.

73 de Bill ND0B

[Non-text portions of this message have been removed]

4805. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 02:39:33 UTC
From: Bill Ockert - ND0B
Topic: 4769 Message: 4805

Bob,

I have not intent of getting into a peeing match with you on this and will say up front I have several
Array Solutions products and have been very happy with both the products and the support.

However support on the Acom is a bit different story in that myself in the case of Arrary Solutions and
myself and a few others in the case of Acom America brought up the arc fault issue and did not get an
answer in either case. It turned out this was a known issue and that the answer could be had as
easily emailing the Acom factory. Once I finally did that I had the schematic for a simple filter that would
take care of the problem in less than a day.

I would suggest that Array Solutions and / or Acom America could have emailed the factory, told them about
the flakes they were talking to on the phone and found out that we were dealing with a known issue. Thus
my suggestion that if support is needed it might not be as close as it would seem at first glance.

My apologies if you take offense to that suggestion but based on my personal experience it is legitimate.

73 de Bill ND0B

From: W5OV@w5ov.com
Sent: Monday, February 13, 2012 5:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bill,

While you're correct that on very difficult problems, or especially on
circumstances that we may not have seen before, consulting with Acom in
Bulgaria may be necessary. It definitely streamlines the process by
leveraging their much more extensive and varied experience.

Even so, I'd like to think we're marginally helpful to our customers from
time to time.

73,

Bob W5OV
Array Solutions

> Bob,
>
> To start, I do not think you can go wrong choosing ACOM. I bought my
> 2000A used two years ago and
> have been mostly happy. It is not perfect but it is pretty good.
>
> The Pros:
>
> It IS a well built, legal limit auto tune amplifier that works very well.
> I am highly pleased with mine
> and if someone offered to trade me an Alpha 9500 for it I would do it.
> Then I would sell the Alpha,
> buy another ACOM and use the rest of the money to buy something else nice.
>
> The Cons:
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> 1. Do not expect either Acom America or Array Solutions to be of much
> help. When I have had
> issues I ended up emailing Acom Bulgaria... They are very helpful but it
> takes a day for each
> iteration.
>
> 2. The serial interface is buggy and poorly documented. There are some
> quirks that will have you
> scratching your head if you run into them. This may or may not be an
> issue depending on how much
> you plan to automate station. My understanding from someone who has
> worked with both is Alpha
> has their issues in this area also.
>
> 3. The arc fault detect circuit is subject to false tripping if there are
> any switching transients in the
> transceiver and the antenna load is anything but perfectly matched and
> resistive. While it is not
> well documented there are several ICOM, at least one TenTec and the Flex
> 5k with certain software
> flavors. In the case of the ICOMs there is a high pass filter design
> floating around to handle it, in the
> case of the TenTec and the Flex, there are software versions that fix it.
>
> Hope this is of some help.
>
> 73 de Bill ND0B
>
>
> From: Bob
> Sent: Sunday, February 12, 2012 8:51 AM
> To: mailto:acom-list%40yahoogroups.com

> Subject: [acom-list] Re: Requesting advice: Seriously considering dumping
> Alpha 87A for Acom 2000A
>
>
>
> Thanks much! One or two more testimonials like that
> and I'm ordering the Acom!
>
> --- In mailto:acom-list%40yahoogroups.com, "bmarton" <bmarton@...> wrote:
>>
>> Bob,
>>
>>
>>
>> For what it might be worth in terms of making your decision, I pass on
>> this
>> to you:
>>
>>
>>
>> My Acom 2000A developed a problem with one of the tubes suddenly running
>> much hotter than the other. I called Krassy on his cell phone
>>
>> to discuss the problem and the conclusion was that one of the tubes was
>> failing. Krassy drove up to my house on that following weekend
>>
>> with a box of spare new tubes and we installed one after another until
>> the
>> parameters matched perfectly in the amp and the temperature differential
>>
>> was within 1 or 2 degrees between tubes. He then ran through a complete
>> alignment and the Acom has been up and running perfectly ever since.
>>
>>
>>
>> Krassy and I got on the air and worked a group of stations then had
>> dinner
>> with a great time hanging out for the evening. May I ask what company
>>
>> you know of in which the CEO drives an hour and an half to see your
>> station
>> and repair your amp for you?
>>
>>
>>
>> I am totally sold on Acom and the product is the best on the market with
>> great customer service. And what other company gives you the CEO's
>>
>> cell phone number to have? The total cost of repair with new tubes;
>> dinner.

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>> Bruce K1XR
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>> _____
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>> From: mailto:acom-list%40yahoogroups.com
>> [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
>> Of Bob
>> Sent: Sunday, February 12, 2012 9:21 AM
>> To: mailto:acom-list%40yahoogroups.com
>> Subject: [acom-list] Requesting advice: Seriously considering dumping
>> Alpha
>> 87A for Acom 2000A
>>
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>>
>> New member alert! Greetings, all, from a likely soon-to-be
>> Alpha convert.
>>
>> I put a deposit on an Alpha 9500 and should get notice
>> soon the amp is ready. I also have an Alpha 87A which
>> has developed high grid current recently. When I ask
>> RF Concepts about how to troubleshoot it, they say "Have
>> you looked at the schematics?" No, I'm not kidding.
>>
>> Sorry, but schmatics are worthless without some documentation
>> on test points, acceptable voltages/currents, etc. After
>> getting nowhere with them on e-mails over the last two weeks,
>> I am a hair's breadth from (1) throwing my Alpha 87A into
>> the Hudson River (after removing the transformer so I don't
>> warp the chassis during transport), (2) calling RF Concepts
>> and getting a refund on my Alpha 9500 deposit, and (3)
>> ordering an Acom 2000A.

>>
>> It is an artifact of ham radio that while transceiver
>> technology advancements cause radios to be obsoleted every
>> few years, amplifier technology has been pretty stable over
>> the last 40 years. The venerable Heath SB-220 is not too
>> conceptually different from many offered today, outside of
>> internal computer control. My point is, companies should
>> offer superior support on legacy amplifiers, because people
>> simply hold onto them longer! My Alpha 87A is the immediate
>> predecessor to the 9500, but getting support on it is
>> proving to be more painful than it is worth. If they simply
>> offered a service manual, I could at least have a chance
>> of fixing it before I die of old age waiting for them to
>> reply to my e-mails with their useless drivel...
>>
>> The more research I do, the more I am becoming convinced
>> that going with the Acom 2000A would be one of the wisest
>> things I can do with my hard-earned beans.
>>
>> Any experiences and advice from the membership would be
>> greatly appreciated.
>>
>> Thanks in advance and 73,
>>
>> Bob WA4FOM
>>
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>>
>>
>> [Non-text portions of this message have been removed]
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4805 - Release Date: 02/12/12
>
>
> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

4806. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 03:01:16 UTC
From: Bill Ockert - ND0B
Topic: 4769 Message: 4806

A simple web search will pull up instances of several radios that while working perfectly fine
with other amplifiers cause an arc fault when run with the Acom with certain antenna loadings.
Some of that dialog has even been on this reflector.

As I stated before Acom has a filter design for this. After messing with the issue for several months including calls to both Acom America and to Array Solutions I finally emailed
the factory. I had the filter design the next day, I had it built and installed with the problem gone
the day after that.

No piece of gear is perfect and it gets a lot less so if those of us who own something put on rose colored glasses and act like something we own could possibly have an issue.
Had I known about the arc fault issue or had information on it been easier to come by
I would have hand months less headaches and a much better initial ownership experience.

In spite of that I would still rate the amp near 5 out of 5 and it would be my first choice.

73 de

From: Howard K2HK
Sent: Monday, February 13, 2012 8:10 PM
To: acom-list@yahoogroups.com
Cc: nd0b@...
Subject: RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bill,
I have owned my Acom since 1999 and have had a different experience, especially with one and three.
The Cons:
1. Do not expect either Acom America or Array Solutions to be of much help. When I have had issues I ended up emailing Acom Bulgaria... They are very helpful but it takes a day for each
iteration.
I have had excellent experiences with all three sources although I believe only Array Solutions and Acom Bulgaria are the current choices. There have been enough examples so I won't go into mine but in every instance and they were very few the response was outstanding.
2. The serial interface is buggy and poorly documented. There are some quirks that will have you
scratching your head if you run into them. This may or may not be an issue depending on how

much
you plan to automate station. My understanding from someone who has worked with both is Alpha
has their issues in this area also.
No argument here. It was never a high point and not touted by the company when the amp was introduced.

3. The arc fault detect circuit is subject to false tripping if there are any switching transients in the
transceiver and the antenna load is anything but perfectly matched and resistive. While it is not
well documented there are several ICOM, at least one TenTec and the Flex 5k with certain software
flavors. In the case of the ICOMs there is a high pass filter design floating around to handle it, in the
case of the TenTec and the Flex, there are software versions that fix it.

This is where I strongly disagree. The arc default has never been buggy just sensitive to problems within the output path. It has limited many problems that might be difficult to find until the damage has been done. Poor connections, high resistance shorts, poor coax and the more obvious problems will certainly shut down the system. When I first put my amp inline in 1999 I thought the same way you did until I eventually learned the amp responded like no other I knew at that time. I eventually learned all the arc faults were exactly that. I guess you might say it is also a high priced system check. By the way I am using the original tubes with the same output that they had 13 years ago.
Howard..K2HK

To: mailto:acom-list%40yahoogroups.com
From: mailto:nd0b%40ockert.us
Date: Mon, 13 Feb 2012 17:31:52 -0600
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bob,

To start, I do not think you can go wrong choosing ACOM. I bought my 2000A used two years ago and

have been mostly happy. It is not perfect but it is pretty good.

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It IS a well built, legal limit auto tune amplifier that works very well. I am highly pleased with mine

and if someone offered to trade me an Alpha 9500 for it I would do it. Then I would sell the Alpha,

buy another ACOM and use the rest of the money to buy something else nice.

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Hope this is of some help.

73 de Bill ND0B

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

4807. RE: [acom-list] ACOM 2000A ARC FAULT (Was: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 03:56:39 UTC
From: Ron Castro
Topic: 4807 Message: 4807

The filter is not always the solution, especially when using an ACOM 2000A with an Orion II. I have two HP filters in series feeding the input, and I still get Arc Faults during RTTY contests. They will happen every transmission for an hour or so (I need to reset after every time I transmit), then it won't happen for many hours, only to start again later.

I know it's not in the antennas since I can run key down at full power for a few minutes, and the Arc Fault will only show up exactly at the end of transmission, indicating that it's picking up some hot-switching in the O II that seems to come and go, possibly related to heat or a busy CPU.

After five years of enduring the problem, I have determined to do a mod that was recommended early on: desensitizing the Arc Fault circuit by placing a 50 k Ohm resistor in parallel with R132 (100 k Ohm) on the Interface board. R132 can be seen on schematic sheet #7 in Appendix A (Page 19) of the Technical Supplement. R132 is part of a voltage divider that takes rectified, filtered RF from a low-pass filter that has a pick-up somewhere after the T/R relay.

I haven't done the mod yet, but probably will this weekend, and I will report back to the list if this fixed the problem after the next RTTY contest I enter.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill Ockert - ND0B
Sent: Monday, February 13, 2012 7:01 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

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Some of that dialog has even been on this reflector.

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No piece of gear is perfect and it gets a lot less so if those of us who own something put on rose colored glasses and act like something we own could possibly have an issue. Had I known about the arc fault issue or had information on it been easier to come by I would have hand months less headaches and a much better initial ownership experience.

In spite of that I would still rate the amp near 5 out of 5 and it would be my first choice.

73 de

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To: acom-list@yahoogroups.com
Cc: nd0b@...
Subject: RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

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Howard..K2HK

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Date: Mon, 13 Feb 2012 17:31:52 -0600
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

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[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4808. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 05:42:46 UTC
From: ZL2AAA
Topic: 4769 Message: 4808

Hi All I have ACOM 1000 and have used it with 706,7000.Proll &lll also 7600 and have had no problems.
How about sharing this circuit so if others change radios they can be forewarned .It may also be an extra band aid.Morrie

----- Original Message -----
From: Bill Ockert - ND0B
To: acom-list@yahoogroups.com
Sent: Tuesday, February 14, 2012 4:01 PM
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

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Date: Mon, 13 Feb 2012 17:31:52 -0600
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bob,

To start, I do not think you can go wrong choosing ACOM. I bought my 2000A used two years ago and

have been mostly happy. It is not perfect but it is pretty good.

The Pros:

It IS a well built, legal limit auto tune amplifier that works very well. I am highly pleased with mine

and if someone offered to trade me an Alpha 9500 for it I would do it. Then I would sell the Alpha,

buy another ACOM and use the rest of the money to buy something else nice.

The Cons:

1. Do not expect either Acom America or Array Solutions to be of much help. When I have had issues I ended up emailing Acom Bulgaria... They are very helpful but it takes a day for each
iteration.

2. The serial interface is buggy and poorly documented. There are some quirks that will have you

scratching your head if you run into them. This may or may not be an issue depending on how much

you plan to automate station. My understanding from someone who has worked with both is Alpha

has their issues in this area also.

3. The arc fault detect circuit is subject to false tripping if there are any switching transients in the

transceiver and the antenna load is anything but perfectly matched and resistive. While it is not

well documented there are several ICOM, at least one TenTec and the Flex 5k with certain software

flavors. In the case of the ICOMs there is a high pass filter design floating around to handle it, in the

case of the TenTec and the Flex, there are software versions that fix it.

Hope this is of some help.

73 de Bill ND0B

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4809. Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 12:04:03 UTC
From: Barry N1EU
Topic: 4809 Message: 4809

Agreed - Bill can you share the circuit by uploading with a note to the
Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for
his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <zl2aaa@...> wrote:

> **
>
>
> How about sharing this circuit so if others change radios they can be
> forewarned .It may also be an extra band aid.
>
>
> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: acom-list@yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> dumping Alpha 87A for Acom 2000A
>
> As I stated before Acom has a filter design for this. After messing with
> the issue for
> several months including calls to both Acom America and to Array Solutions
> I finally emailed
> the factory. I had the filter design the next day, I had it built and
> installed with the problem gone
> the day after that.
>

[Non-text portions of this message have been removed]

4810. RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 12:30:12 UTC
From: Bob Naumann
Topic: 4769 Message: 4810

Bill,

I would like to find out more about the "issue" with the Arc Fault that you describe. When did you report this to Array Solutions?

In this context, it seems you're alleging that there is something wrong with the amplifiers' design, but I have never heard of any such problem nor of any such factory recommended "filter".

Please provide details.

In 100% of the times I have had to deal with Arc Faults reported by a 2000A amplifier, there were actual Arc Faults occurring somewhere in the antenna system - including with my own 2000A which I've owned since 1999 (also on the original tubes).

I'm not offended by the suggestion that we contact Acom for information (we do this all the time anyway - almost on a daily basis) but I'm very concerned that we may have missed something that has caused you to characterize our customer service as "Do not expect either Acom America or Array Solutions to be of much help".

What you're describing does not align with what we do.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill Ockert - ND0B
Sent: Monday, February 13, 2012 8:40 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bob,

I have not intent of getting into a peeing match with you on this and will say up front I have several
Array Solutions products and have been very happy with both the products and the support.

However support on the Acom is a bit different story in that myself in the case of Arrary Solutions and
myself and a few others in the case of Acom America brought up the arc fault issue and did not get an
answer in either case. It turned out this was a known issue and that the answer could be

had as
easily emailing the Acom factory. Once I finally did that I had the schematic for a simple filter that would
take care of the problem in less than a day.

I would suggest that Array Solutions and / or Acom America could have emailed the factory, told them about
the flakes they were talking to on the phone and found out that we were dealing with a known issue. Thus
my suggestion that if support is needed it might not be as close as it would seem at first glance.

My apologies if you take offense to that suggestion but based on my personal experience it is legitimate.

73 de Bill ND0B

From: W5OV@...
Sent: Monday, February 13, 2012 5:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bill,

While you're correct that on very difficult problems, or especially on
circumstances that we may not have seen before, consulting with Acom in
Bulgaria may be necessary. It definitely streamlines the process by
leveraging their much more extensive and varied experience.

Even so, I'd like to think we're marginally helpful to our customers from
time to time.

73,

Bob W5OV
Array Solutions

> Bob,
>
> To start, I do not think you can go wrong choosing ACOM. I bought my
> 2000A used two years ago and
> have been mostly happy. It is not perfect but it is pretty good.
>
> The Pros:
>
> It IS a well built, legal limit auto tune amplifier that works very well.
> I am highly pleased with mine
> and if someone offered to trade me an Alpha 9500 for it I would do it.
> Then I would sell the Alpha,
> buy another ACOM and use the rest of the money to buy something else nice.
>
> The Cons:
>

> 1. Do not expect either Acom America or Array Solutions to be of much
> help. When I have had
> issues I ended up emailing Acom Bulgaria... They are very helpful but it
> takes a day for each
> iteration.
>
> 2. The serial interface is buggy and poorly documented. There are some
> quirks that will have you
> scratching your head if you run into them. This may or may not be an
> issue depending on how much
> you plan to automate station. My understanding from someone who has
> worked with both is Alpha
> has their issues in this area also.
>
> 3. The arc fault detect circuit is subject to false tripping if there are
> any switching transients in the
> transceiver and the antenna load is anything but perfectly matched and
> resistive. While it is not
> well documented there are several ICOM, at least one TenTec and the Flex
> 5k with certain software
> flavors. In the case of the ICOMs there is a high pass filter design
> floating around to handle it, in the
> case of the TenTec and the Flex, there are software versions that fix it.
>
> Hope this is of some help.
>
> 73 de Bill ND0B
>

4811. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 12:38:48 UTC
From: Brian Alsop
Topic: 4769 Message: 4811

There is nothing like a full power amp to show up the weaknesses in your antenna and feedline system.

Every arc fault I ever had was traced to those sources.

73 de Brian/K3KO

On 2/14/2012 12:30, Bob Naumann wrote:
> Bill,
>
> I would like to find out more about the "issue" with the Arc Fault that
> you describe. When did you report this to Array Solutions?
>
> In this context, it seems you're alleging that there is something wrong
> with the amplifiers' design, but I have never heard of any such problem
> nor of any such factory recommended "filter".
>
> Please provide details.
>
> In 100% of the times I have had to deal with Arc Faults reported by a
> 2000A amplifier, there were actual Arc Faults occurring somewhere in the
> antenna system - including with my own 2000A which I've owned since 1999
> (also on the original tubes).
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> I'm not offended by the suggestion that we contact Acom for information
> (we do this all the time anyway - almost on a daily basis) but I'm very
> concerned that we may have missed something that has caused you to
> characterize our customer service as "Do not expect either Acom America
> or Array Solutions to be of much help".
>
> What you're describing does not align with what we do.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On Behalf Of Bill Ockert - ND0B
> Sent: Monday, February 13, 2012 8:40 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering

> dumping Alpha 87A for Acom 2000A
>
> Bob,
>
> I have not intent of getting into a peeing match with you on this and
> will say up front I have several
> Array Solutions products and have been very happy with both the products
> and the support.
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> However support on the Acom is a bit different story in that myself in
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> fault issue and did not get an
> answer in either case. It turned out this was a known issue and that the
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> I would suggest that Array Solutions and / or Acom America could have
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> the flakes they were talking to on the phone and found out that we were
> dealing with a known issue. Thus
> my suggestion that if support is needed it might not be as close as it
> would seem at first glance.
>
> My apologies if you take offense to that suggestion but based on my
> personal experience it is legitimate.
>
> 73 de Bill ND0B
>
> From: W5OV@... <mailto:W5OV%40w5ov.com>
> Sent: Monday, February 13, 2012 5:50 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> dumping Alpha 87A for Acom 2000A
>
> Bill,
>
> While you're correct that on very difficult problems, or especially on
> circumstances that we may not have seen before, consulting with Acom in
> Bulgaria may be necessary. It definitely streamlines the process by
> leveraging their much more extensive and varied experience.
>
> Even so, I'd like to think we're marginally helpful to our customers from
> time to time.
>
> 73,
>
> Bob W5OV

> Array Solutions
>
> > Bob,
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> > To start, I do not think you can go wrong choosing ACOM. I bought my
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> > have been mostly happy. It is not perfect but it is pretty good.
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> >
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> > I am highly pleased with mine
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> > Then I would sell the Alpha,
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> > 1. Do not expect either Acom America or Array Solutions to be of much
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> > well documented there are several ICOM, at least one TenTec and the Flex
> > 5k with certain software
> > flavors. In the case of the ICOMs there is a high pass filter design
> > floating around to handle it, in the
> > case of the TenTec and the Flex, there are software versions that fix it.
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> > Hope this is of some help.
> >
> > 73 de Bill ND0B
> >
>
>
> --

>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 10.0.1424 / Virus Database: 2112/4807 - Release Date: 02/13/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 10.0.1424 / Virus Database: 2112/4807 - Release Date: 02/13/12

4812. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 13:30:47 UTC
From: Barry N1EU
Topic: 4769 Message: 4812

On Tue, Feb 14, 2012 at 12:30 PM, Bob Naumann <W5OV@...> wrote:

> **
>
>
> In 100% of the times I have had to deal with Arc Faults reported by a
> 2000A amplifier, there were actual Arc Faults occurring somewhere in the
> antenna system - including with my own 2000A which I've owned since 1999
> (also on the original tubes).
>
> You simply can't blame the antenna in every case. There was a well documented issue with the Ten-Tec Orion putting out low level, low frequency spurs that often triggered the 2000A Arc Fault detector. The problem came to light in 2004. I believe the problem was worst on 40M. Ten-Tec's fix was to provide an external low pass filter for existing Orion/Acom owners and to implement a circuit change to use a different final transistor going forward.

There is a high likelihood that this issue could still crop up as hams often change rigs and amplifiers, there are plenty of Orions in the field with the original finals, and it's still a very popular radio in dx/contesting circles (i.e., 2000A users).

Barry N1EU

[Non-text portions of this message have been removed]

4813. RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 13:37:44 UTC
From: Bob Naumann
Topic: 4769 Message: 4813

OK - Barry - thanks.

I have gotten several other private emails saying essentially the same thing.

The problem is apparently something wrong with the TenTec Orion - this is not something wrong with the Acom 2000A.

It's just that the 2000A reports an Arc Fault as a result of whatever this problem with the Orion radio is.

I have asked Acom in Bulgaria to provide their official comment on this Orion problem and I will post it here if they don't post it themselves.

-Bob

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Tuesday, February 14, 2012 7:31 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

On Tue, Feb 14, 2012 at 12:30 PM, Bob Naumann <W5OV@...> wrote:

> **
>
>
> In 100% of the times I have had to deal with Arc Faults reported by a
> 2000A amplifier, there were actual Arc Faults occurring somewhere in the
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> You simply can't blame the antenna in every case. There was a well documented issue with the Ten-Tec Orion putting out low level, low frequency spurs that often triggered the 2000A Arc Fault detector. The problem came to light in 2004. I believe the problem was worst on 40M. Ten-Tec's fix was to provide an external low pass filter for existing Orion/Acom owners and to implement a circuit change to use a different final transistor going forward.

There is a high likelihood that this issue could still crop up as hams often change rigs and amplifiers, there are plenty of Orions in the field with the original finals, and it's still a very popular radio in x/contesting circles (i.e., 2000A users).

Barry N1EU

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4814. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 15:37:10 UTC
From: Bill Ockert - ND0B
Topic: 4769 Message: 4814

Plus this issue is occurring when the radio / amp are unkeyed. This would be the least likely
time for the antenna/feedline/tuner to arc.

From: Barry N1EU
Sent: Tuesday, February 14, 2012 7:30 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

On Tue, Feb 14, 2012 at 12:30 PM, Bob Naumann <mailto:W5OV%40w5ov.com> wrote:

> **
>
>
> In 100% of the times I have had to deal with Arc Faults reported by a
> 2000A amplifier, there were actual Arc Faults occurring somewhere in the
> antenna system - including with my own 2000A which I've owned since 1999
> (also on the original tubes).
>
> You simply can't blame the antenna in every case. There was a well documented issue with the Ten-Tec Orion putting out low level, low frequency spurs that often triggered the 2000A Arc Fault detector. The problem came to light in 2004. I believe the problem was worst on 40M. Ten-Tec's fix was to provide an external low pass filter for existing Orion/Acom owners and to implement a circuit change to use a different final transistor going forward.

There is a high likelihood that this issue could still crop up as hams often change rigs and amplifiers, there are plenty of Orions in the field with the original finals, and it's still a very popular radio in dx/contesting circles (i.e., 2000A users).

Barry N1EU

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

4815. RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 15:42:04 UTC
From: Ron Castro
Topic: 4809 Message: 4815

Barry:

You can get one free from Ten Tec if you own an Orion or Orion II. I got one a few weeks ago, but it didn't cure the problem. I'm convinced it's something in the relay timing in the Orion II that goes bad causing a very small arc, or transient in the Orion T/R relay that is amplified and picked up by the Arc Fault sensor. If you do that test I mentioned a few weeks ago, you can prove that. Lock the ACOM in transmit by shorting the keying cable, transmit with the Orion, and when you un-key the Orion, the fault will happen.

BTW, the circuit is a simple Pi low pass filter...a coil and two capacitors.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

Agreed - Bill can you share the circuit by uploading with a note to the Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <zl2aaa@...> wrote:

> **
>
>
> How about sharing this circuit so if others change radios they can be
> forewarned .It may also be an extra band aid.
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>
> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: acom-list@yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> dumping Alpha 87A for Acom 2000A

>
> As I stated before Acom has a filter design for this. After messing
> with the issue for several months including calls to both Acom America
> and to Array Solutions I finally emailed the factory. I had the filter
> design the next day, I had it built and installed with the problem
> gone the day after that.
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4816. Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 15:54:56 UTC
From: Bill Ockert - ND0B
Topic: 4769 Message: 4816

Good morning Bob,

To allay all the suggestions that this is a problem in the antenna / feedline I want to point out that this issue happens when the radio / amp are
unkeyed. If it were arcing in the antenna/feedline/tuner it should happen during the transmission, not at the end of it. The other point is that
this is hard to pin on the radio because the same radios that cause it seem to work fine with other high end amplifiers. While it is easy to blame
the radios it would also be just as easy to argue that the amplifier should have filtration built into the input to keep this type of false arc fault from
occurring and thus blame the amp.

In the case of Flex there were three of us talking with Flex about this, we actually had Gerald personally involved. Of the three of us two were
having this issue, the third had never seen it. The switching transients from the fast keying appear to be being keyed by the amplifier and
then interpreted as an arc fault. In the case of my Flex 5k it started causing the issue when Flex sped up the switching time
between a couple of software versions, I started seeing the arc faults EVERY time I would unkey from Tune or when I was operating AM.
My understanding from Flex was that they had started abruptly chopping the carrier in order to switch the relays faster. Once I contacted
Acom directly, got the filter design and tested it things got better very quickly. Based on the filter characteristics Flex was able to speculate
why they were causing the amp to arc fault and put a check box in the next version of their software allowing the user to decide between
switching speed and a shaped chop off that would not cause the are fault.

The filter design is attached. While I got it from Acom it was actually designed by an Omni 2 user prior to TenTec putting in their own software
fix.

As to when I contacted you on this it would have been somewhere between September 2010 when I started having this issue and June 2011 when I
finally emailed Acom directly. In that time period I had first spoken with Acom America then waited a couple of months for no result then spoke with
you, likely in the May 2011 time frame. I finally emailed Acom on June 5, 2011 and got the response on June 6, 2011.

All of this said, again my ONLY complaint in all of this was the lack of information. Had information on what turned out to clearly be a known issue.
It would have saved a lot of time trying to figure out what was going on. It is fixed now, it works well, filter is on the shelf just in case I add a radio to the
shack that requires it, etc.

73 de Bill ND0B

From: Bob Naumann
Sent: Tuesday, February 14, 2012 6:30 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Bill,

I would like to find out more about the "issue" with the Arc Fault that you describe. When did you report this to Array Solutions?

In this context, it seems you're alleging that there is something wrong with the amplifiers' design, but I have never heard of any such problem nor of any such factory recommended "filter".

Please provide details.

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What you're describing does not align with what we do.

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Bob W5OV
Array Solutions

-----Original Message-----
From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf Of Bill Ockert - ND0B
Sent: Monday, February 13, 2012 8:40 PM
To: mailto:acom-list%40yahoogroups.com
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From: mailto:W5OV%40w5ov.com
Sent: Monday, February 13, 2012 5:50 PM
To: mailto:acom-list%40yahoogroups.com
Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

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circumstances that we may not have seen before, consulting with Acom in
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time to time.

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> Bob,
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> The Pros:
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> help. When I have had
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> well documented there are several ICOM, at least one TenTec and the Flex
> 5k with certain software
> flavors. In the case of the ICOMs there is a high pass filter design
> floating around to handle it, in the
> case of the TenTec and the Flex, there are software versions that fix it.
>
> Hope this is of some help.
>
> 73 de Bill ND0B
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

4817. Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 15:56:56 UTC
From: Bill Ockert - ND0B
Topic: 4809 Message: 4817

Barry,

That is the same file that Acom sent to me so I will not upload it. I will attest that it worked well
in my case. I no longer use it a Flex provided a solution in their latest software.

73 de Bill ND0B

From: Barry N1EU
Sent: Tuesday, February 14, 2012 6:04 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Agreed - Bill can you share the circuit by uploading with a note to the
Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for
his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <mailto:zl2aaa%40paradise.net.nz> wrote:

> **
>
>
> How about sharing this circuit so if others change radios they can be
> forewarned .It may also be an extra band aid.
>
>
> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: mailto:acom-list%40yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> dumping Alpha 87A for Acom 2000A
>
> As I stated before Acom has a filter design for this. After messing with
> the issue for
> several months including calls to both Acom America and to Array Solutions
> I finally emailed
> the factory. I had the filter design the next day, I had it built and

> installed with the problem gone
> the day after that.
>

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12

[Non-text portions of this message have been removed]

4818. Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 16:01:44 UTC
From: Bill Ockert - ND0B
Topic: 4809 Message: 4818

Ron,

While I was chasing this I found a blip about the Ten Tec issue. That blip indicated that there was a software fix for the Orion II or rather the problem was version related

http://lists.contesting.com/_tentec/2005-01/msg00624.html

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 9:42 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Barry:

You can get one free from Ten Tec if you own an Orion or Orion II. I got one a few weeks ago, but it didn't cure the problem. I'm convinced it's something in the relay timing in the Orion II that goes bad causing a very small arc, or transient in the Orion T/R relay that is amplified and picked up by the Arc Fault sensor. If you do that test I mentioned a few weeks ago, you can prove that. Lock the ACOM in transmit by shorting the keying cable, transmit with the Orion, and when you un-key the Orion, the fault will happen.

BTW, the circuit is a simple Pi low pass filter...a coil and two capacitors.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

Agreed - Bill can you share the circuit by uploading with a note to the Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

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> forewarned .It may also be an extra band aid.
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> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: mailto:acom-list%40yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
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> dumping Alpha 87A for Acom 2000A
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> As I stated before Acom has a filter design for this. After messing
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> design the next day, I had it built and installed with the problem
> gone the day after that.
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

4819. Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 16:16:57 UTC
From: Barry N1EU
Topic: 4809 Message: 4819

Bill, that Orion (not Orion II) firmware update that Dick references in
that linked post pre-dates the Arc Fault issues that we've been discussing
here. That rather ancient firmware update was a fix for the Orion keying
loop timing but there was still the low freq RF problem back then as well
as the issue Ron is currently having with the Orion II.

Barry N1EU

On Tue, Feb 14, 2012 at 4:01 PM, Bill Ockert - ND0B <nd0b@...> wrote:

> **
>
>
> Ron,
>
> While I was chasing this I found a blip about the Ten Tec issue. That blip
> indicated that there was a software fix for the Orion II or rather the
> problem was version related
>
> http://lists.contesting.com/_tentec/2005-01/msg00624.html
>
> 73 de Bill ND0B
>
> From: Ron Castro
> Sent: Tuesday, February 14, 2012 9:42 AM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering
> dumping Alpha 87A for Acom 2000A)
>
>
> Barry:
>
> You can get one free from Ten Tec if you own an Orion or Orion II. I got
> one a few weeks ago, but it didn't cure the problem. I'm convinced it's
> something in the relay timing in the Orion II that goes bad causing a very
> small arc, or transient in the Orion T/R relay that is amplified and picked
> up by the Arc Fault sensor. If you do that test I mentioned a few weeks
> ago, you can prove that. Lock the ACOM in transmit by shorting the keying
> cable, transmit with the Orion, and when you un-key the Orion, the fault
> will happen.
>
> BTW, the circuit is a simple Pi low pass filter...a coil and two
> capacitors.
>

> Ron Castro
> N6IE
> www.N6IE.com
> Member:
> REDXA NCCC
> NCDXF ARRL
>
> Agreed - Bill can you share the circuit by uploading with a note to the
> Acom
> Group files section at http://groups.yahoo.com/group/acom-list/files/
> ?
>
> There's a file in there showing a low pass filter designed by SM6CNN for
> his
> Orion Arc Faults but it didn't come from Acom.
>
> Thanks & 73,
> Barry N1EU
>
> On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <mailto:zl2aaa%40paradise.net.nz>
> wrote:
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> > **
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> >
> > How about sharing this circuit so if others change radios they can be
> > forewarned .It may also be an extra band aid.
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> >
> > ----- Original Message -----
> > From: Bill Ockert - ND0B
> > To: mailto:acom-list%40yahoogroups.com
> > Sent: Tuesday, February 14, 2012 4:01 PM
> > Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> > dumping Alpha 87A for Acom 2000A
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> > As I stated before Acom has a filter design for this. After messing
> > with the issue for several months including calls to both Acom America
> > and to Array Solutions I finally emailed the factory. I had the filter
> > design the next day, I had it built and installed with the problem
> > gone the day after that.
> >
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> Yahoo! Groups Links
>
> No virus found in this message.

> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12
>
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

4820. RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 18:01:01 UTC
From: Ron Castro
Topic: 4809 Message: 4820

Dick:

Thanks for that information. Ten Tec assures me that all subsequent versions have the proper timing, but I'm not so sure. This seems to be an intermittent problem that only shows up after a few hours of contesting, and mostly on 15 and 10 meters, although I have seen it on all bands at one time or another on various antennas, a dummy load and at two different QTH's. It does not happen when I drive the amp with my old TS-870 into the same antennas.

I'll parse this over and offer some thoughts to TT since they are in the process of updating their firmware for both Orions to version 3.xx.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bill Ockert - ND0B
Sent: Tuesday, February 14, 2012 8:02 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Ron,

While I was chasing this I found a blip about the Ten Tec issue. That blip indicated that there was a software fix for the Orion II or rather the problem was version related

http://lists.contesting.com/_tentec/2005-01/msg00624.html

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 9:42 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Barry:

You can get one free from Ten Tec if you own an Orion or Orion II. I got one a few weeks ago, but it didn't cure the problem. I'm convinced it's something in the relay timing in

the Orion II that goes bad causing a very small arc, or transient in the Orion T/R relay that is amplified and picked up by the Arc Fault sensor. If you do that test I mentioned a few weeks ago, you can prove that. Lock the ACOM in transmit by shorting the keying cable, transmit with the Orion, and when you un-key the Orion, the fault will happen.

BTW, the circuit is a simple Pi low pass filter...a coil and two capacitors.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

Agreed - Bill can you share the circuit by uploading with a note to the Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <mailto:zl2aaa%40paradise.net.nz> wrote:

> **
>
>
> How about sharing this circuit so if others change radios they can be
> forewarned .It may also be an extra band aid.
>
>
> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: mailto:acom-list%40yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> dumping Alpha 87A for Acom 2000A
>
> As I stated before Acom has a filter design for this. After messing
> with the issue for several months including calls to both Acom America
> and to Array Solutions I finally emailed the factory. I had the filter
> design the next day, I had it built and installed with the problem
> gone the day after that.
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4821. Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 18:15:42 UTC
From: dickgreen03755
Topic: 4769 Message: 4821

> 2. The serial interface is buggy and poorly documented. There are some quirks that will have you
> scratching your head if you run into them. This may or may not be an issue depending on how much
> you plan to automate station. My understanding from someone who has worked with both is Alpha
> has their issues in this area also.

Let me put some color on this. I'm in the tiny minority of people who have written software to interact with the 2000A. Yes, the serial interface is poorly documented. There's only a spreadsheet with tables of command and status codes, plus a few notes. But with very careful study one can piece together how to communicate with the amp. I wouldn't say the serial interface is buggy, but it can be tempermental: the fixed 1200 baud speed is very slow and the interface doesn't appear to be interrupt-driven. So you have to be careful not to bombard the amp with commands.

My code successfully "pre-tunes" the amp for whatever antenna and frequency segment I'm using. Very useful for quick QSY in contests. The auto frequency detect works, but the drive is shunted to a dummy load during tuning, so you lose the part of your transmission that occurs while the amp is tuning (usually one dit or syllable.) Pre-tuning eliminates that.

I also wrote code to duplicate the re-tuning sequence that was in the old AcomTools program: with one click I can re-tune the Acom for all antennas and segments on a band, all antennas on all bands, etc. This code works, but it was a bear to write and debug. There were lots of timing issues and I had to do a lot of guessing about how to get the amp in and out of the autotune sequence. But I worked it out eventually.

This is very advanced stuff that the typical user will never encounter.

The 87A interface is more straightforward, but I've never written any code for to drive the amp because it's not necessary for my needs: the 87A keeps the low power drive connected to the antenna during tuning, so you don't lose any part of the transmission, and AlphaMax takes care of autotuning on the fly. It might be nice to have a nicer GUI than AlphaRemote, but it works well enough and I haven't been motivated to write one.

For remote users, one big advantage of the 87A is that the command set lets you turn the amp on and off. With the 2000A, you have to do it by toggling a pin on the RS-232 interface.

Hope this clarifies things.

73, Dick WC1M

4822. ACOM 2000 infomation

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 19:53:08 UTC
From: Joel Kornreich
Topic: 4822 Message: 4822

My ACOM 2000 has been working wonderful for five years. Same set of tubes and same output gain of 15. The two problems I had was due to a screw connector on the 75 meter rotating dipole all the way up at 114 ft and during the winter. Other problem and why I mention this now is for Yaesu FT2000D owners. The first run of FT2000D units had a voltage spike that even with the output turned down real low presented a spike leading to an arc fault condition and resetting of the ACOM. After four FedEx trips to Yaesu in California and a consultation with Japan, a modification was installed and the ACOM never had an arc fault over the last four years. Joel, K2QBV

[Non-text portions of this message have been removed]

4823. Fwd: ACOM 2000 infomation

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 19:58:32 UTC
From: Joel Kornreich
Topic: 4822 Message: 4823

---------- Forwarded message ----------
From: Joel Kornreich <k2qbv2@...>
Date: Tue, Feb 14, 2012 at 2:53 PM
Subject: ACOM 2000 infomation
To: acom-list@yahoogroups.com

My ACOM 2000 has been working wonderful for five years. Same set of tubes and same output gain of 15. The two problems I had was due to a screw connector on the 75 meter rotating dipole all the way up at 114 ft and during the winter. Other problem and why I mention this now is for Yaesu FT2000D owners. The first run of FT2000D units had a voltage spike that even with the output turned down real low presented a spike leading to an arc fault condition and resetting of the ACOM. After four FedEx trips to Yaesu in California and a consultation with Japan, a modification was installed and the ACOM never had an arc fault over the last four years. Joel, K2QBV

[Non-text portions of this message have been removed]

4824. Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 20:25:50 UTC
From: Bill Ockert - ND0B
Topic: 4809 Message: 4824

Dick,

While I have never actually looked at it with a scope I know that Flex extended the timing slightly and shaped the chop off of the carrier, think the anti chirp shaping on CW. This appears to be a full solution and the extra time must be very short as it certainly is not visible in anything I do. Hopefully Ten Tec can do something similar

Good luck!

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 12:01 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Dick:

Thanks for that information. Ten Tec assures me that all subsequent versions have the proper timing, but I'm not so sure. This seems to be an intermittent problem that only shows up after a few hours of contesting, and mostly on 15 and 10 meters, although I have seen it on all bands at one time or another on various antennas, a dummy load and at two different QTH's. It does not happen when I drive the amp with my old TS-870 into the same antennas.

I'll parse this over and offer some thoughts to TT since they are in the process of updating their firmware for both Orions to version 3.xx.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf Of Bill Ockert - ND0B
Sent: Tuesday, February 14, 2012 8:02 AM
To: mailto:acom-list%40yahoogroups.com
Subject: Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Ron,

While I was chasing this I found a blip about the Ten Tec issue. That blip indicated that there was a software fix for the Orion II or rather the problem was version related

http://lists.contesting.com/_tentec/2005-01/msg00624.html

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 9:42 AM
To: mailto:acom-list%40yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Barry:

You can get one free from Ten Tec if you own an Orion or Orion II. I got one a few weeks ago, but it didn't cure the problem. I'm convinced it's something in the relay timing in the Orion II that goes bad causing a very small arc, or transient in the Orion T/R relay that is amplified and picked up by the Arc Fault sensor. If you do that test I mentioned a few weeks ago, you can prove that. Lock the ACOM in transmit by shorting the keying cable, transmit with the Orion, and when you un-key the Orion, the fault will happen.

BTW, the circuit is a simple Pi low pass filter...a coil and two capacitors.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

Agreed - Bill can you share the circuit by uploading with a note to the Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <mailto:zl2aaa%40paradise.net.nz> wrote:

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>
>
> How about sharing this circuit so if others change radios they can be
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>
>
> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: mailto:acom-list%40yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM

> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
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> As I stated before Acom has a filter design for this. After messing
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

Yahoo! Groups Links

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Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

4825. Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 20:43:09 UTC
From: Mel Whitten
Topic: 4809 Message: 4825

I too can confirm the arc faults stopped after Flex modified their software. Before, I had the faults often, but the ACOM handled them with no apparent degradation to the amp/tubes so I am happy about that! I am very satisfied ACOM customer.
Mel
k0pfx

----- Original Message -----
From: Bill Ockert - ND0B
To: acom-list@yahoogroups.com
Sent: Tuesday, February 14, 2012 2:25 PM
Subject: Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Dick,

While I have never actually looked at it with a scope I know that Flex extended the timing slightly and shaped the chop off of the carrier, think the anti chirp shaping on CW. This appears to be a full solution and the extra time must be very short as it certainly is not visible in anything I do. Hopefully Ten Tec can do something similar

Good luck!

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 12:01 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Dick:

Thanks for that information. Ten Tec assures me that all subsequent versions have the proper timing, but I'm not so sure. This seems to be an intermittent problem that only shows up after a few hours of contesting, and mostly on 15 and 10 meters, although I have seen it on all bands at one time or another on various antennas, a dummy load and at two different QTH's. It does not happen when I drive the amp with my old TS-870 into the same antennas.

I'll parse this over and offer some thoughts to TT since they are in the process of updating their firmware for both Orions to version 3.xx.

Ron Castro
N6IE
www.N6IE.com
Member:

REDXA NCCC
NCDXF ARRL

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Sent: Tuesday, February 14, 2012 8:02 AM
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Ron,

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Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

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Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <mailto:zl2aaa%40paradise.net.nz> wrote:

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> From: Bill Ockert - ND0B
> To: mailto:acom-list%40yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
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[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4826. ARC FAULTS

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-14 23:50:56 UTC
From: Steve Tripp (K1IIG)
Topic: 4809 Message: 4826

ALL,

I do not like to get involved with multi threads but feel obligated as I was the first one to have the FLex/Acom Arc fault issue. I worked with Gerald, owner of Flex, for months and jumped through many hoops as I was the only one complaining. Later Bill, ND0B also had the problem and he sure helped out convincing Flex it was just not me. The issue ends up to be a pure timing problem changed in their 2.xx software release. I later went back many versions to their 1.xx software and no ARC faults hence no dropping of the amp. One partial cure was to build a HPF and place in the input to the amp. This greatly reduced the unwanted frequencies below 1mhz and helped but did not cure the problem although it did cure the problem with some radios driving the Acom and other amps. The final cure was Flex slowing down keying and changing their "wave shaping" during keying. In Flex the fix is called "Slew" and works to completely eliminate the ARC fault in the Acom 2000a amp. So ARC faults can be something other than antenna problems but for sure the poor antenna is the main culprit for ARC faults. I confirmed this info this weekend at the Orlando, Florida hamfest speaking with Flex.

If not using a FLex, do try the HPF filter. I built 2 of them in a Home Depot electrical box and reduced the unwanted signal by 45db and with 2 cascaded by 100db with a bit more loss at 160m. Email me direct if you wish a schematic, real easy to build and cost is almost nothing depending on junk box.

Steve
KIIIG at arrl net

I too can confirm the arc faults stopped after Flex modified their software. Before, I had the faults often, but the ACOM handled them with no apparent degradation to the amp/tubes so I am happy about that! I am very satisfied ACOM customer.
Mel
k0pfx

----- Original Message -----
From: Bill Ockert - ND0B
To: acom-list@yahoogroups.com
Sent: Tuesday, February 14, 2012 2:25 PM
Subject: Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Dick,

While I have never actually looked at it with a scope I know that Flex extended the timing slightly and shaped the chop off of the carrier, think the anti chirp shaping on CW. This appears to be a full solution and the extra time must be very short as it certainly is not visible in anything I do. Hopefully Ten Tec can do something similar

Good luck!

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 12:01 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Dick:

Thanks for that information. Ten Tec assures me that all subsequent versions have the proper timing, but I'm not so sure. This seems to be an intermittent problem that only shows up after a few hours of contesting, and mostly on 15 and 10 meters, although I have seen it on all bands at one time or another on various antennas, a dummy load and at two different QTH's. It does not happen when I drive the amp with my old TS-870 into the same antennas.

I'll parse this over and offer some thoughts to TT since they are in the process of updating their firmware for both Orions to version 3.xx.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf Of Bill Ockert - ND0B
Sent: Tuesday, February 14, 2012 8:02 AM
To: mailto:acom-list%40yahoogroups.com
Subject: Re: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Ron,

While I was chasing this I found a blip about the Ten Tec issue. That blip indicated that there was a software fix for the Orion II or rather the problem was version related

http://lists.contesting.com/_tentec/2005-01/msg00624.html

73 de Bill ND0B

From: Ron Castro
Sent: Tuesday, February 14, 2012 9:42 AM
To: mailto:acom-list%40yahoogroups.com
Subject: RE: [acom-list] Arc Fault LP Filter (was: Seriously considering dumping Alpha 87A for Acom 2000A)

Barry:

You can get one free from Ten Tec if you own an Orion or Orion II. I got one a few weeks ago, but it didn't cure the problem. I'm convinced it's something in the relay timing in

the Orion II that goes bad causing a very small arc, or transient in the Orion T/R relay that is amplified and picked up by the Arc Fault sensor. If you do that test I mentioned a few weeks ago, you can prove that. Lock the ACOM in transmit by shorting the keying cable, transmit with the Orion, and when you un-key the Orion, the fault will happen.

BTW, the circuit is a simple Pi low pass filter...a coil and two capacitors.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

Agreed - Bill can you share the circuit by uploading with a note to the Acom Group files section at http://groups.yahoo.com/group/acom-list/files/
?

There's a file in there showing a low pass filter designed by SM6CNN for his Orion Arc Faults but it didn't come from Acom.

Thanks & 73,
Barry N1EU

On Tue, Feb 14, 2012 at 5:42 AM, ZL2AAA <mailto:zl2aaa%40paradise.net.nz> wrote:

> **
>
>
> How about sharing this circuit so if others change radios they can be
> forewarned .It may also be an extra band aid.
>
>
> ----- Original Message -----
> From: Bill Ockert - ND0B
> To: mailto:acom-list%40yahoogroups.com
> Sent: Tuesday, February 14, 2012 4:01 PM
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering
> dumping Alpha 87A for Acom 2000A
>
> As I stated before Acom has a filter design for this. After messing
> with the issue for several months including calls to both Acom America
> and to Array Solutions I finally emailed the factory. I had the filter
> design the next day, I had it built and installed with the problem
> gone the day after that.
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

Yahoo! Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.1913 / Virus Database: 2112/4809 - Release Date: 02/14/12

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4827. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-15 11:06:10 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4827

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /HPF_ORION.pdf
Uploaded by : bob_naumann <W5OV@...>
Description : Remedy for Low Frequency Parasitics and 2000A

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/HPF_ORION.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

bob_naumann <W5OV@...>

4828. 2000A ARC Fault and Low Frequency Parasitic problem with some radios - Acom's answer:

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-15 11:34:27 UTC
From: Bob Naumann
Topic: 4828 Message: 4828

As promised, below is the reply from LZ1IU @ Acom about transceivers that transmit low frequency parasitic emissions (100 to 500 kHz).

Background: This problem has been reported primarily in the TenTec Orion and some Flex radio models, and in even more rare cases, some other brands/models.

I have uploaded the file to the Acom group home page file section in PDF format (HPF_Orion.PDF). After doing so, I noticed that it was already posted in Word format by W0YG back in 2005 as HPF.DOC.

So, this low frequency parasitic emission problem with these transceivers, while somewhat rare, has apparently been known for many years (since 2004/2005).

It is also reported that the manufacturers of these problem transceivers have responded and have made changes available to correct the problem.

If you have a radio that has this problem you may want to contact the radio manufacturer for the proper corrective action.

If not, this simple high pass filter shown in the document can be inserted between your radio and the amplifier's RF input to block the low frequency parasitic emissions from those radios.

73,

Bob W5OV
Array Solutions

****
****

Hello Bob,

Please see attached pdf file. Let the customer try using a high pass filter between the transceiver output and the amplifier input - see the attached filter description. It has been very useful against Arc Fault protection tripping unnecessarily with certain models of transceivers which produce (even low level) parasitic emissions in the low frequency band (100-500kHz).

Please inform me again.

73 Stan LZ1IU
Sofia, 15 February 2012.

4829. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-15 12:42:52 UTC
From: George Steube
Topic: 318 Message: 4829

Thanks for posting this circuit. Looking at the circuit diagram leads me to two questions: What is the watage of the resistors shown in the circuit diagram and why aren't the resistor used in the photo of the filter included?
73
George
W2GS

On 2/15/2012 5:06 AM, acom-list@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the acom-list
> group.
>
> File : /HPF_ORION.pdf
> Uploaded by : bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>>
> Description : Remedy for Low Frequency Parasitics and 2000A
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/acom-list/files/HPF_ORION.pdf
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>>
>
>
>

[Non-text portions of this message have been removed]

4830. HPF

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-15 13:36:35 UTC
From: Steve Tripp (K1IIG)
Topic: 318 Message: 4830

HI George,

For some reason I did not put any resistors in my filter relying on the I/O impedances. Without them it works perfect. I built mine into an single electrical box with 3/4" knockouts on each end that take an SO239 chassis mount connector. The coil winding is not critical and you can fuss with the caps to determine the cutoff point should you be able to sweep the filter. Mine started to cutoff just below 1mhz and down around 100khz I was getting aprox 45db rejection.
73's
Steve
K1IIG

Thanks for posting this circuit. Looking at the circuit diagram leads
me to two questions: What is the watage of the resistors shown in the
circuit diagram and why aren't the resistor used in the photo of the
filter included?
73
George
W2GS

On 2/15/2012 5:06 AM, acom-list@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the acom-list
> group.
>
> File : /HPF_ORION.pdf
> Uploaded by : bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>>
> Description : Remedy for Low Frequency Parasitics and 2000A
>
> You can access this file at the URL:
> http://groups.yahoo.com/group/acom-list/files/HPF_ORION.pdf
>
> To learn more about file sharing for your group, please visit:
> http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> Regards,
>
> bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>>
>
>
>

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[Non-text portions of this message have been removed]

4831. Re: HPF

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-15 15:02:15 UTC
From: Andrey
Topic: 318 Message: 4831

The resistors are NOT part of the actual filter design!
They are part of the schematics in order to represent the source output impedance (R1) and the load input impedance (R2) in order to simulate the filter circuit in software and calculate the other filter components.

If you terminate the filter with 50 Ohm resistor it will be the equivalent of a dummy load!!

73
de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Steve Tripp \(K1IIG\)" <stephen.tripp@...> wrote:
>
> HI George,
>
> For some reason I did not put any resistors in my filter relying on the I/O impedances. Without them it works perfect. I built mine into an single electrical box with 3/4" knockouts on each end that take an SO239 chassis mount connector. The coil winding is not critical and you can fuss with the caps to determine the cutoff point should you be able to sweep the filter. Mine started to cutoff just below 1mhz and down around 100khz I was getting aprox 45db rejection.
> 73's
> Steve
> K1IIG
>
>
>
> Thanks for posting this circuit. Looking at the circuit diagram leads
> me to two questions: What is the watage of the resistors shown in the
> circuit diagram and why aren't the resistor used in the photo of the
> filter included?
> 73
> George
> W2GS
>
> On 2/15/2012 5:06 AM, acom-list@yahoogroups.com wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the acom-list
> > group.
> >
> > File : /HPF_ORION.pdf
> > Uploaded by : bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>>

> > Description : Remedy for Low Frequency Parasitics and 2000A
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/acom-list/files/HPF_ORION.pdf
> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>>
> >
> >
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> [Non-text portions of this message have been removed]
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4832. Re: [acom-list] HPF

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-15 17:13:46 UTC
From: George Steube
Topic: 318 Message: 4832

Thanks Steve, I think your right.
73
George
W2GS

On 2/15/2012 7:36 AM, Steve Tripp (K1IIG) wrote:
>
> HI George,
>
> For some reason I did not put any resistors in my filter relying on
> the I/O impedances. Without them it works perfect. I built mine into
> an single electrical box with 3/4" knockouts on each end that take an
> SO239 chassis mount connector. The coil winding is not critical and
> you can fuss with the caps to determine the cutoff point should you be
> able to sweep the filter. Mine started to cutoff just below 1mhz and
> down around 100khz I was getting aprox 45db rejection.
> 73's
> Steve
> K1IIG
>
> Thanks for posting this circuit. Looking at the circuit diagram leads
> me to two questions: What is the watage of the resistors shown in the
> circuit diagram and why aren't the resistor used in the photo of the
> filter included?
> 73
> George
> W2GS
>
> On 2/15/2012 5:06 AM, acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com> wrote:
> >
> >
> > Hello,
> >
> > This email message is a notification to let you know that
> > a file has been uploaded to the Files area of the acom-list
> > group.
> >
> > File : /HPF_ORION.pdf
> > Uploaded by : bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>
> <mailto:W5OV%40w5ov.com>>
> > Description : Remedy for Low Frequency Parasitics and 2000A
> >
> > You can access this file at the URL:
> > http://groups.yahoo.com/group/acom-list/files/HPF_ORION.pdf

> >
> > To learn more about file sharing for your group, please visit:
> > http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
> > Regards,
> >
> > bob_naumann <W5OV@... <mailto:W5OV%40w5ov.com>
> <mailto:W5OV%40w5ov.com>>
> >
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4833. Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-22 14:08:00 UTC
From: larry_k1uo
Topic: 4769 Message: 4833

I have one of the original TenTec filters to fix their spur in the early Orion I models if anyone needs it.
73
Larry K1UO

--- In acom-list@yahoogroups.com, "Bill Ockert - ND0B" <nd0b@...> wrote:
>
> Plus this issue is occurring when the radio / amp are unkeyed. This would be the least likely
> time for the antenna/feedline/tuner to arc.
>
> From: Barry N1EU
> Sent: Tuesday, February 14, 2012 7:30 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Re: Requesting advice: Seriously considering dumping Alpha 87A for Acom 2000A
>
>
> On Tue, Feb 14, 2012 at 12:30 PM, Bob Naumann <mailto:W5OV%40w5ov.com> wrote:
>
> > **
> > >
> > >
> > In 100% of the times I have had to deal with Arc Faults reported by a
> > 2000A amplifier, there were actual Arc Faults occurring somewhere in the
> > antenna system - including with my own 2000A which I've owned since 1999
> > (also on the original tubes).
> > >
> > You simply can't blame the antenna in every case. There was a well
> documented issue with the Ten-Tec Orion putting out low level, low
> frequency spurs that often triggered the 2000A Arc Fault detector. The
> problem came to light in 2004. I believe the problem was worst on 40M.
> Ten-Tec's fix was to provide an external low pass filter for existing
> Orion/Acom owners and to implement a circuit change to use a different
> final transistor going forward.
>
> There is a high likelihood that this issue could still crop up as hams
> often change rigs and amplifiers, there are plenty of Orions in the field
> with the original finals, and it's still a very popular radio in
> dx/contesting circles (i.e., 2000A users).
>
> Barry N1EU
>
> [Non-text portions of this message have been removed]

>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.1913 / Virus Database: 2112/4808 - Release Date: 02/13/12
>
>
> [Non-text portions of this message have been removed]
>

4834. Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 16:57:22 UTC
From: karigustafsson
Topic: 4834 Message: 4834

Hi!
I just wanted to say that I have a complete description of a ACOM2000A
remote operation set-up with all accessories you may need. Works with ADSL (500 kbit/s uplink)and with no problems since 3 months. I needed to decouple heavy RFI from the set-up (DSL and 160 m are not always compatible)and have made a similar description (so far only in swedish).
This might inspire more to go remote. 73 de Kari SM0HRP
link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf

4835. Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 20:06:33 UTC
From: Andre VanWyk
Topic: 4834 Message: 4835

Kari,

I cannot get this link to work.

Please check it and repost it.

73
NJ0F

From: karigustafsson
Sent: Thursday, February 23, 2012 10:57 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Hi!
I just wanted to say that I have a complete description of a ACOM2000A
remote operation set-up with all accessories you may need. Works with ADSL (500 kbit/s uplink)and with no problems since 3 months. I needed to decouple heavy RFI from the set-up (DSL and 160 m are not always compatible)and have made a similar description (so far only in swedish).
This might inspire more to go remote. 73 de Kari SM0HRP
link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf

[Non-text portions of this message have been removed]

4836. Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 20:24:11 UTC
From: Dick Flanagan
Topic: 4834 Message: 4836

Slow connection, but it works for me using Firefox V10.

Docl

--
Dick Flanagan K7VC
dick@...

On 2/23/2012 12:06 PM, Andre VanWyk wrote:
> Kari,
>
> I cannot get this link to work.
>
> Please check it and repost it.
>
> 73
> NJ0F
>
>
> From: karigustafsson
> Sent: Thursday, February 23, 2012 10:57 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Complete ACOM2000 remote operation with all possible accessories
>
>
>
> Hi!
> I just wanted to say that I have a complete description of a ACOM2000A
> remote operation set-up with all accessories you may need. Works with ADSL (500 kbit/s uplink)and with no problems since 3 months. I needed to decouple heavy RFI from the set-up (DSL and 160 m are not always compatible)and have made a similar description (so far only in swedish).
> This might inspire more to go remote. 73 de Kari SM0HRP
> link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf
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> Yahoo! Groups Links
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4837. RE: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 20:40:58 UTC
From: Ron Castro
Topic: 4834 Message: 4837

I got the link to work, but only on Internet Explorer. Firefox did not work.

Ron N6IE

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Andre VanWyk
Sent: Thursday, February 23, 2012 12:07 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Kari,

I cannot get this link to work.

Please check it and repost it.

73
NJ0F

From: karigustafsson
Sent: Thursday, February 23, 2012 10:57 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Hi!
I just wanted to say that I have a complete description of a ACOM2000A remote operation set-up with all accessories you may need. Works with ADSL (500 kbit/s uplink)and with no problems since 3 months. I needed to decouple heavy RFI from the set-up (DSL and 160 m are not always compatible)and have made a similar description (so far only in swedish).
This might inspire more to go remote. 73 de Kari SM0HRP
link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4838. RE: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 20:41:35 UTC
From: Mel Whitten
Topic: 4834 Message: 4838

(1).pdf was not high lighted. Add it to the link.

Mel

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Andre VanWyk
Sent: Thursday, February 23, 2012 2:07 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Kari,

I cannot get this link to work.

Please check it and repost it.

73
NJ0F

From: karigustafsson
Sent: Thursday, February 23, 2012 10:57 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Hi!
I just wanted to say that I have a complete description of a ACOM2000A remote operation set-up with all accessories you may need. Works with ADSL (500 kbit/s uplink)and with no problems since 3 months. I needed to decouple heavy RFI from the set-up (DSL and 160 m are not always compatible)and have made a similar description (so far only in swedish).
This might inspire more to go remote. 73 de Kari SM0HRP
link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4839. Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 20:40:41 UTC
From: Andre VanWyk
Topic: 4834 Message: 4839

Bingo! Thanks!

Andre

From: Mel Whitten
Sent: Thursday, February 23, 2012 2:41 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Complete ACOM2000 remote operation with all possible accessories

(1).pdf was not high lighted. Add it to the link.

Mel

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Andre VanWyk
Sent: Thursday, February 23, 2012 2:07 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Kari,

I cannot get this link to work.

Please check it and repost it.

73
NJ0F

From: karigustafsson
Sent: Thursday, February 23, 2012 10:57 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Hi!
I just wanted to say that I have a complete description of a ACOM2000A remote operation set-up with all accessories you may need. Works with ADSL (500 kbit/s uplink)and with no problems since 3 months. I needed to decouple heavy RFI from the set-up (DSL and 160 m are not always compatible)and have made a similar description (so far only in swedish).
This might inspire more to go remote. 73 de Kari SM0HRP
link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4840. Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-23 21:01:23 UTC
From: W5OV@w5ov.com
Topic: 4834 Message: 4840

It's also available for download in the US here:

http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf

> Hi!
> I just wanted to say that I have a complete description of a ACOM2000A
> remote operation set-up with all accessories you may need. Works with ADSL
> (500 kbit/s uplink)and with no problems since 3 months. I needed to
> decouple heavy RFI from the set-up (DSL and 160 m are not always
> compatible)and have made a similar description (so far only in swedish).
> This might inspire more to go remote. 73 de Kari SM0HRP
> link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf
>
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> Yahoo! Groups Links
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4841. New Acom Owner

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-24 08:04:25 UTC
From: gm0kmj
Topic: 4841 Message: 4841

Hi Guy's,
Off to pick up a new Acom 1000 on Saturday morning, any running in tips for the new amp?
Cheer
Paul
GM0KMJ

4842. Re: [acom-list] New Acom Owner

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-24 08:55:32 UTC
From: Callum The Web Man
Topic: 4841 Message: 4842

Yes, use it and enjoy :)

Callum McCormick
Away from my desk right now..

On 24 Feb 2012, at 08:04, "gm0kmj" <gm0kmj@...> wrote:

Hi Guy's,
Off to pick up a new Acom 1000 on Saturday morning, any running in tips for the new amp?
Cheer
Paul
GM0KMJ

[Non-text portions of this message have been removed]

4843. Re: [acom-list] New Acom Owner

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-24 10:57:31 UTC
From: Philippe ON4VP
Topic: 4841 Message: 4843

Best tip ever !

Op 24 februari 2012 09:55 schreef Callum The Web Man <
callum@...> het volgende:

> **
>
>
> Yes, use it and enjoy :)
>
> Callum McCormick
>

[Non-text portions of this message have been removed]

4844. Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-24 13:39:14 UTC
From: karigustafsson
Topic: 4834 Message: 4844

Sorry folks!
Here is the full link:
http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1.pdf
73 SM0HRP

4845. Complete ACOM2000 remote operation with all possible accessories

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-24 13:42:06 UTC
From: karigustafsson
Topic: 4834 Message: 4845

Sorry again, IE8 truncates the .pdf extension on the pdf link.Please add this(thanks for already helping others incl Bob/Array Solutions)

4846. ACOM 2000S - et. al.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-25 02:55:20 UTC
From: Kenneth
Topic: 4846 Message: 4846

I wonder if this is still available.
I am planning for remote operation.
It would be nice to have an antenna switch that followed rf.
What is the solution of choice?
K5WK

4847. RE: [acom-list] ACOM 2000S - et. al.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-25 13:15:36 UTC
From: Kjeld Holm
Topic: 4846 Message: 4847

Dear K5WK,

I do believe that this switcher is still available. I bought one new from a Danish dealer just a few months ago. I believe he ordered directly from ACOM. I think you will need ACOM 2000SW also.

And I do believe you are aware of the link

<http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf>
http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf

posted here on the reflector February 23 by W5OV.

Vy de

OZ1CCM Kjeld (Kel)

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kenneth
Sent: 25. februar 2012 03:55
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000S - et. al.

I wonder if this is still available.
I am planning for remote operation.
It would be nice to have an antenna switch that followed rf.
What is the solution of choice?
K5WK

[Non-text portions of this message have been removed]

4848. Re: [acom-list] ACOM 2000S - et. al.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-25 13:37:40 UTC
From: Steve Tripp (K1IIG)
Topic: 4846 Message: 4848

I have an Acom new in the box with controller for sale if anyone is interested. I never used it so is in perfect shape and for sure built like a battle ship. If interested, you can contact me at arrl.net with my call.
Steve
K1IIG

Dear K5WK,

I do believe that this switcher is still available. I bought one new from a Danish dealer just a few months ago. I believe he ordered directly from ACOM. I think you will need ACOM 2000SW also.

And I do believe you are aware of the link

<http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf>
http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf

posted here on the reflector February 23 by W5OV.

Vy de

OZ1CCM Kjeld (Kel)

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kenneth
Sent: 25. februar 2012 03:55
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000S - et. al.

I wonder if this is still available.
I am planning for remote operation.
It would be nice to have an antenna switch that followed rf.
What is the solution of choice?
K5WK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4849. Re: [acom-list] ACOM 2000S - et. al.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-25 13:40:54 UTC
From: Steve Tripp (K1IIG)
Topic: 4846 Message: 4849

SORRY ABOUT THAT, IT IS THE ACOM 10 POSITION SWITCH FOR SALE. ACOM AMP IS HERE TO STAY.
HIHI
STEVE
K1IIG

I have an Acom new in the box with controller for sale if anyone is interested. I never used it so is in perfect shape and for sure built like a battle ship. If interested, you can contact me at arrl.net with my call.
Steve
K1IIG

Dear K5WK,

I do believe that this switcher is still available. I bought one new from a Danish dealer just a few months ago. I believe he ordered directly from ACOM. I think you will need ACOM 2000SW also.

And I do believe you are aware of the link

<http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf>
http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf

posted here on the reflector February 23 by W5OV.

Vy de

OZ1CCM Kjeld (Kel)

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kenneth
Sent: 25. februar 2012 03:55
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000S - et. al.

I wonder if this is still available.
I am planning for remote operation.
It would be nice to have an antenna switch that followed rf.
What is the solution of choice?
K5WK

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4850. Acom Switch

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-25 17:03:02 UTC
From: Kenneth
Topic: 4850 Message: 4850

Steve. I am having trouble with your email.
Please call me at 817-821-3770 ref your Acom switch.
Ken K5WK

4851. New Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-26 17:05:47 UTC
From: gm0kmj
Topic: 4851 Message: 4851

I am enjoying it, much fun being had, thanks,
Paul
GM0KMJ

4852. RS232 commands ACOM 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-26 17:15:31 UTC
From: Kenneth
Topic: 4852 Message: 4852

Where can I find the RS232 protocol for the ACOM 2000a?
Ken K5WK

4853. RE: [acom-list] RS232 commands ACOM 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-26 18:18:47 UTC
From: James Thresher
Topic: 4852 Message: 4853

Hi Ken,

If you email me off list at JamesThresher@... then I can send you the documentation I have.

You can also take a look at my source code for ACOM Director here http://acomdirector.codeplex.com/

James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kenneth
Sent: 26 February 2012 17:16
To: acom-list@yahoogroups.com
Subject: [acom-list] RS232 commands ACOM 2000a

Where can I find the RS232 protocol for the ACOM 2000a?
Ken K5WK

[Non-text portions of this message have been removed]

4854. RE: [acom-list] New Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-28 14:07:18 UTC
From: Callum the Web Man
Topic: 4851 Message: 4854

Nice one Paul. How's it going?

Callum.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of gm0kmj
Sent: 26 February 2012 17:06
To: acom-list@yahoogroups.com
Subject: [acom-list] New Acom

I am enjoying it, much fun being had, thanks,
Paul
GM0KMJ

[Non-text portions of this message have been removed]

4855. Re: New Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2012-02-29 12:17:32 UTC
From: gm0kmj
Topic: 4851 Message: 4855

Hi Callum,
It's runnig away great need to do some re working of the shack to get everything the way I want it but the amp has worked fine. It great to have that little bit extra power when required to make the contact and saves having to run the rig flat out. Great to get to leagal limit with 25 watts from the rig.
It took a while to get the amp tuned to all the band's I normally work on but the setting are duly noted and now set up is real quick.
Really enjoying it.
Paul
GM0KMJ

--- In acom-list@yahoogroups.com, "Callum the Web Man" <callum@...> wrote:
>
> Nice one Paul. How's it going?
>
> Callum.
>
>
> _____
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of gm0kmj
> Sent: 26 February 2012 17:06
> To: acom-list@yahoogroups.com
> Subject: [acom-list] New Acom
>
>
>
>
> I am enjoying it, much fun being had, thanks,
> Paul
> GM0KMJ
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

4856. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-01 01:25:02 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4856

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Arc Fault Filter.JPG
Uploaded by : nu6x <nu6x@...>
Description : Simple Home Brew Filter

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/Arc%20Fault%20Filter.JPG

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

nu6x <nu6x@...>

4857. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-01 01:26:11 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4857

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Arc Fault Filter/SCREN049.GIF
Uploaded by : nu6x <nu6x@...>
Description : Track Generator Trace

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/Arc%20Fault%20Filter/SCREN049.GIF

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

nu6x <nu6x@...>

4858. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-01 01:33:25 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4858

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Arc Fault Filter/Arc Fault Filter
Uploaded by : nu6x <nu6x@...>
Description : Arc Fault Solved

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/Arc%20Fault%20Filter/Arc%20Fault%20Filter

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

nu6x <nu6x@...>

4859. Simple Home Brew Filter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-01 01:44:01 UTC
From: Mark Mumaw
Topic: 4859 Message: 4859

I was having constant problems with Arc Faults when using my 2000A with several Vintage SSB rigs. I built the basic filter designed by SM6CNN with minor modifications. I used 2000 pf caps instead of 2200 because that was what I had available. It took about an hour to build this from my junk box.

I posted to the file section both a photo of the simple home brew filter along with the trace from my spectrum analyzer. As can be seen from the screen trace, the response was similar to what was noted by SM6CNN.

This filter totally solved the problem.

Mark NU6X Sedona, AZ

4860. ACOM 2000A Misbehaving

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-02 01:14:24 UTC
From: ve3cfk
Topic: 4860 Message: 4860

I've owned my Acom for 5 years now.
Within the last month, it would kick-off for no apparent reason, and not provide a fault message. It kicks me off (doesn't matter the band or antenna) if the SWR is close to 1:1, but operates just fine if the SWR is 2.5 ! The gain is sometimes 13 db, but mostly 10db. When I try to tune the amp for any band segment it says VSWR too high, even when my ALPHA 4520 says it's 1:1.2

Any help would be appreciated.

Chet, VE3CFK

4861. Acom filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-10 18:22:31 UTC
From: kamarty456
Topic: 4861 Message: 4861

Well for those of you who need a reminder.....
You should clean your ACOM fan filter on a regular basis.

For you lazy folks, at least do it twice a year when you
adjust for daylight savings time as well as replacing your smoke detector batteries.

Keeping the air filter clean will ensure efficient operation of your amplifier.

Martin ka7gkn

4862. Acom Tools

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-13 02:17:48 UTC
From: Andre VanWyk
Topic: 1058 Message: 4862

I purchased a Acom 2000A from a friend but the Acom Tools is on a Floppy disk. Problem. I don't have a Floppy drive.
If someone has a copy I would appreciate a zipped file.
If all fails I will contact Array Solutions or K1LZ in the morning.
73
Andre NJ0F

[Non-text portions of this message have been removed]

4863. Re: [acom-list] Acom Tools

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-13 03:14:13 UTC
From: Andre VanWyk NJ0F
Topic: 1058 Message: 4863

Cancel request. I found the software that I got with my first Acom on my backup drive.
73 de NJ0F

Sent from my iPhone

On Mar 12, 2012, at 9:17 PM, "Andre VanWyk" <kr5dx@...> wrote:

> I purchased a Acom 2000A from a friend but the Acom Tools is on a Floppy disk. Problem. I don't have a Floppy drive.
> If someone has a copy I would appreciate a zipped file.
> If all fails I will contact Array Solutions or K1LZ in the morning.
> 73
> Andre NJ0F
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4864. Wanted Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-27 10:16:54 UTC
From: g0wtm
Topic: 4864 Message: 4864

Hi, looking to buy an Acom1000 in the UK.

PLease let me know if you have one for sale.

Cheers

Dave

4865. Re: Wanted Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-03-27 11:27:52 UTC
From: gm0kmj
Topic: 4864 Message: 4865

Vine antennas have them in stock.
Paul

--- In acom-list@yahoogroups.com, "g0wtm" <g0wtm@...> wrote:
>
> Hi, looking to buy an Acom1000 in the UK.
>
> PLease let me know if you have one for sale.
>
> Cheers
>
> Dave
>

4866. Re: Wanted Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-09 15:40:26 UTC
From: michael poole
Topic: 4864 Message: 4866

hi dave
are you still looking ????
73s mike m0vwk

--- In acom-list@yahoogroups.com, "g0wtm" <g0wtm@...> wrote:
>
> Hi, looking to buy an Acom1000 in the UK.
>
> PLease let me know if you have one for sale.
>
> Cheers
>
> Dave
>

4867. Re: Wanted Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-10 08:55:20 UTC
From: g0wtm
Topic: 4864 Message: 4867

--- In acom-list@yahoogroups.com, "michael poole" <mikevwcamper@...> wrote:
>
> hi dave
> are you still looking ????
> 73s mike m0vwk
>
> --- In acom-list@yahoogroups.com, "g0wtm" <g0wtm@> wrote:
> >
> > Hi, looking to buy an Acom1000 in the UK.
> >
> > PLease let me know if you have one for sale.
> >
> > Cheers
> >
> > Dave
> >
>Yes MIke still looking, can you help?

Dave

4868. Re: Wanted Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-11 15:40:39 UTC
From: geoff.g0byh@btinternet.com
Topic: 4864 Message: 4868

There are two on Ebay at the moment..........

http://www.ebay.co.uk/itm/HF-AMPLIFIER-ACOM-1000-VERY-LITTLE-USED-NO-SMOKING-FIRST-PROPRIETARY-/330713371919?pt=UK_ConsumerElectronics_SpecialistRadioEquipment_SM&hash=item4d000d950f

http://www.ebay.co.uk/itm/Acom-1000-HF-Linear-Amp-/200742504117?pt=UK_ConsumerElectronics_SpecialistRadioEquipment_SM&hash=item2ebd2f86b5

Rgds
Geoff

--- In acom-list@yahoogroups.com, "g0wtm" <g0wtm@...> wrote:
>
>
>
> --- In acom-list@yahoogroups.com, "michael poole" <mikevwcamper@> wrote:
> >
> > hi dave
> > are you still looking ????
> > 73s mike m0vwk
> >
> > --- In acom-list@yahoogroups.com, "g0wtm" <g0wtm@> wrote:
> > >
> > > Hi, looking to buy an Acom1000 in the UK.
> > >
> > > PLease let me know if you have one for sale.
> > >
> > > Cheers
> > >
> > > Dave
> > >
> >Yes MIke still looking, can you help?
>
> Dave
>

4870. Acom with boat anchor?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-12 15:06:13 UTC
From: m5zzr@btinternet.com
Topic: 4870 Message: 4870

Hello Group.

I've been using my 1000 for 2 years now with my 756PIII. Brilliant.

In a quest to get back to my roots I've just purchased an FT-102 as a project radio. If possible I would like to give it a go with the Acom at some point but of course the Acom has no AGC output. I understand I can apply a negative DC voltage to the 102, although I'm not sure how many volts. Does anyone have any tips or is it a bad idea to drive the Acom with a 102?

Thanks. Mel. M5ZZR.

4871. Re: [acom-list] Acom with boat anchor

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-12 15:26:16 UTC
From: W5OV@w5ov.com
Topic: 4871 Message: 4871

You do not need ALC.

> Hello Group.
>
> I've been using my 1000 for 2 years now with my 756PIII. Brilliant. In
> a quest to get back to my roots I've just purchased an FT-102 as a
> project radio. If possible I would like to give it a go with the Acom
> at some point but of course the Acom has no ALC output. I understand I
> can apply a negative DC voltage to the 102, although I'm not sure how
> many volts. Does anyone have any tips or is it a bad idea to drive the
> Acom with a 102? Thanks. Mel. M5ZZR.
>
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> Yahoo! Groups Links
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4872. RE: [acom-list] Acom with boat anchor

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-12 15:49:37 UTC
From: Hal Kennedy
Topic: 4871 Message: 4872

Ill echo W5OV. Disconnect your ALC and throw the cable away. Drive the amplifier within its linear region and you don't need ALC.

73

Hal N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: Thursday, April 12, 2012 11:26 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom with boat anchor

You do not need ALC.

>
> Hello Group.
>
> I've been using my 1000 for 2 years now with my 756PIII. Brilliant. In
> a quest to get back to my roots I've just purchased an FT-102 as a
> project radio. If possible I would like to give it a go with the Acom
> at some point but of course the Acom has no ALC output. I understand I
> can apply a negative DC voltage to the 102, although I'm not sure how
> many volts. Does anyone have any tips or is it a bad idea to drive the
> Acom with a 102? Thanks. Mel. M5ZZR.
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[Non-text portions of this message have been removed]

4873. Re: Acom with boat anchor

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-12 20:15:22 UTC
From: Ger
Topic: 4871 Message: 4873

I think he is asking how to reduce the power of the FT-102. 100-110W input is not so healthy for the ACOM. To reduce the power of my Kenwood TS830 I used a 9V battery and a 100K variable resistor. ALC is usually between -1 ~ -4V to regulate between 100 - 0 Watt. Just try with the 9V battery and var.resistor.

73 and GL, Ger PE1CZG

--- In acom-list@yahoogroups.com, "Hal Kennedy" <halken@...> wrote:
>
> Ill echo W5OV. Disconnect your ALC and throw the cable away. Drive the
> amplifier within its linear region and you don't need ALC.
>
>
>
> 73
>
> Hal N4GG
>
>
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of W5OV@...
> Sent: Thursday, April 12, 2012 11:26 AM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Acom with boat anchor
>
>
>
>
>
> You do not need ALC.
>
> >
> > Hello Group.
> >
> > I've been using my 1000 for 2 years now with my 756PIII. Brilliant. In
> > a quest to get back to my roots I've just purchased an FT-102 as a
> > project radio. If possible I would like to give it a go with the Acom
> > at some point but of course the Acom has no ALC output. I understand I
> > can apply a negative DC voltage to the 102, although I'm not sure how
> > many volts. Does anyone have any tips or is it a bad idea to drive the
> > Acom with a 102? Thanks. Mel. M5ZZR.

> >
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> [Non-text portions of this message have been removed]
>

4874. Re: [acom-list] Re: Acom with boat anchor

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-12 21:23:31 UTC
From: W5OV@w5ov.com
Topic: 4871 Message: 4874

The FT-102 does not have a "fixed" output of 100w.

Turn it's DRIVE control down to reduce the output. Using ALC to do so is
asking for trouble - distortion, etc.

> I think he is asking how to reduce the power of the FT-102. 100-110W input
> is not so healthy for the ACOM. To reduce the power of my Kenwood TS830 I
> used a 9V battery and a 100K variable resistor. ALC is usually between -1
> ~ -4V to regulate between 100 - 0 Watt. Just try with the 9V battery and
> var.resistor.
>
> 73 and GL, Ger PE1CZG
>
> --- In acom-list@yahoogroups.com, "Hal Kennedy" <halken@...> wrote:
>>
>> Ill echo W5OV. Disconnect your ALC and throw the cable away. Drive the
>> amplifier within its linear region and you don't need ALC.
>>
>>
>>
>> 73
>>
>> Hal N4GG
>>
>>
>>
>>
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf
>> Of W5OV@...
>> Sent: Thursday, April 12, 2012 11:26 AM
>> To: acom-list@yahoogroups.com
>> Subject: Re: [acom-list] Acom with boat anchor
>>
>>
>>
>>
>>
>> You do not need ALC.
>>
>> >
>> > Hello Group.
>> >

>> > I've been using my 1000 for 2 years now with my 756PIII. Brilliant. In
>> > a quest to get back to my roots I've just purchased an FT-102 as a
>> > project radio. If possible I would like to give it a go with the Acom
>> > at some point but of course the Acom has no ALC output. I understand I
>> > can apply a negative DC voltage to the 102, although I'm not sure how
>> > many volts. Does anyone have any tips or is it a bad idea to drive the
>> > Acom with a 102? Thanks. Mel. M5ZZR.
>> >
>> >
>> >
>> >
>> > ------------------------------------
>> >
>> > Yahoo! Groups Links
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>> [Non-text portions of this message have been removed]
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>
> ------------------------------------
>
> Yahoo! Groups Links
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>

4875. Re: Acom with boat anchor?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-13 12:09:56 UTC
From: m5zzr@btinternet.com
Topic: 4870 Message: 4875

Thanks Bob, Hal & Ger. I don't pick up my FT-102 until next week hence the reason for not knowing my way around the radio yet. Sounds like I should be able to cope one way or another. I used to have a 520S in the past used the 9v battery solution which worked fine.

I take your point though Bob that it may not be required. I am interested though - Why would the ALC cause distortion?

73

Mel. M55ZZR

4876. RE: [acom-list] Re: Acom with boat anchor?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-13 12:19:44 UTC
From: Bob Naumann
Topic: 4870 Message: 4876

The DRIVE control on the front panel of the FT102 is intended for this purpose and it is the proper way to keep the output level down. Check the FT102 manual for a description of the DRIVE control.

Using ALC to do so would be like keeping your foot into the accelerator of your car keeping the engine at high RPM but applying the brakes (ALC) to control your speed - just take your foot off of the accelerator (reduce the drive).

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of m5zzr@...
Sent: Friday, April 13, 2012 7:10 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom with boat anchor?

Thanks Bob, Hal & Ger. I don't pick up my FT-102 until next week hence the reason for not knowing my way around the radio yet. Sounds like I should be able to cope one way or another. I used to have a 520S in the past used the 9v battery solution which worked fine.

I take your point though Bob that it may not be required. I am interested though - Why would the ALC cause distortion?

73

Mel. M55ZZR

Yahoo! Groups Links

4877. Re: Acom with boat anchor?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-13 13:02:23 UTC
From: m5zzr@btinternet.com
Topic: 4870 Message: 4877

Thanks Bob. That makes sense. Mel. M5ZZR.

4878. ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-18 11:58:19 UTC
From: Sparky
Topic: 4878 Message: 4878

ACOM 1500

Read : http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/

73

4879. Re: [acom-list] ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-18 12:04:53 UTC
From: Philippe ON4VP
Topic: 4878 Message: 4879

Great news for those who want legal limit power without the need of
automatic tuning and therefor lower price ratings (I might hope).
I love my Acom 1000, seems that Acom used the known led bar features plus
new tuning aid like the 1010.

73, Phil.

Op 18 april 2012 13:58 schreef Sparky <rw3ah@cqdx.ru> het volgende:

> **
>
>
>
> ACOM 1500
>
> Read : http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
>
> 73
>
>
>

[Non-text portions of this message have been removed]

4880. RE: [acom-list] ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-18 15:41:29 UTC
From: Óscar Luis Fernández Lanza
Topic: 4878 Message: 4880

Anyone know if it automatic??
I like ..!

EA1DR Òscar Luis
ea1dr@ea1dr.es
73's es DX

-----Mensaje original-----
De: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] En nombre de Philippe ON4VP
Enviado el: miércoles, 18 de abril de 2012 14:05
Para: acom-list@yahoogroups.com
Asunto: Re: [acom-list] ACOM 1500

Great news for those who want legal limit power without the need of automatic tuning and therefor lower price ratings (I might hope).
I love my Acom 1000, seems that Acom used the known led bar features plus new tuning aid like the 1010.

73, Phil.

Op 18 april 2012 13:58 schreef Sparky <rw3ah@...> het volgende:

> **
>
>
>
> ACOM 1500
>
> Read :
> http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
>
> 73
>
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>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4881. Re: [acom-list] ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-18 15:45:14 UTC
From: Philippe ON4VP
Topic: 4878 Message: 4881

No, you need the Acom 2000 A

Op 18 april 2012 17:41 schreef ?scar Luis Fern?ndez Lanza
<ea1dr@...>het volgende:

> **
>
>
>
> Anyone know if it automatic??
> I like ..!
>
> EA1DR ?scar Luis
> ea1dr@...
> 73's es DX
>
> -----Mensaje original-----
> De: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] En nombre
> de Philippe ON4VP
> Enviado el: mi?rcoles, 18 de abril de 2012 14:05
> Para: acom-list@yahoogroups.com
> Asunto: Re: [acom-list] ACOM 1500
>
>
> Great news for those who want legal limit power without the need of
> automatic tuning and therefor lower price ratings (I might hope).
> I love my Acom 1000, seems that Acom used the known led bar features plus
> new tuning aid like the 1010.
>
> 73, Phil.
>
> Op 18 april 2012 13:58 schreef Sparky <rw3ah@...> het volgende:
>
> > **
>
> >
> > >
> > >
> > >
> > ACOM 1500
> > >
> > Read :
> > http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
> > >
> > 73
> > >

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> [Non-text portions of this message have been removed]
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> ------------------------------------
>
> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

4882. Re: [acom-list] ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-18 20:06:45 UTC
From: georgek5kg@aol.com
Topic: 4878 Message: 4882

Oscar, if you look at the photo of the Acom 1500, you will see two tuning knobs. You must adjust these knobs to tune the amp. It is not automatic..

I have an Acom 1010 which tunes with the two knobs, and tuning is very easy.

If you want fully automatic tuning, the Acom 2000A may be what you want, but it is mucho denaro! Hi.

73, George.

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 4/18/2012 11:41:44 A.M. Eastern Daylight Time, ea1dr@... writes:

Anyone know if it automatic??
I like ..!

EA1DR Òscar Luis
ea1dr@...
73's es DX

-----Mensaje original-----
De: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] En nombre de Philippe ON4VP
Enviado el: miércoles, 18 de abril de 2012 14:05
Para: acom-list@yahoogroups.com
Asunto: Re: [acom-list] ACOM 1500

Great news for those who want legal limit power without the need of automatic tuning and therefor lower price ratings (I might hope).
I love my Acom 1000, seems that Acom used the known led bar features plus new tuning aid like the 1010.

73, Phil.

Op 18 april 2012 13:58 schreef Sparky <rw3ah@...> het volgende:

> **
>
>
>
> ACOM 1500
>
> Read :

> http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
>
> 73
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4883. power on/off relay

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-19 16:45:19 UTC
From: Kenneth
Topic: 4883 Message: 4883

I am looking for a DPST relay 12v coil for remote power on/off of the ACOM2000a. Does anyone have a reccomendation?

4884. acom 1000 with flex 5000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-19 22:21:54 UTC
From: paim
Topic: 4884 Message: 4884

hi
using flex 5000a =ACOM 1000 =buffer IS THERE ANY ONE can tell me how many delay in ms
i need to do i use 20ms is this ok i cant see it in the yuser book of the acom any info
will be great
vy 73
E.P g0uut /dl9fcc

[Non-text portions of this message have been removed]

4885. Re: power on/off relay

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-20 00:14:57 UTC
From: Kenneth
Topic: 4883 Message: 4885

I will answer my own question here for the benefit of anyone else who is looking to operate Acom2000a remote. At www.automationdirect.com I found an open frame DPST 12v coil 40 amp relay that handles up to 600 VAC that will be less than $25 shipped.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I am looking for a DPST relay 12v coil for remote power on/off of the ACOM2000a. Does anyone have a reccomendation?
>

4886. hello

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-21 12:29:19 UTC
From: John Sheeley
Topic: 4886 Message: 4886

this is intense you should check this out http://www.panews15.net/biz/?news=4315037

~*Advertisement

4887. Re: hello HACKED

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-21 13:36:10 UTC
From: Ralph
Topic: 4886 Message: 4887

You been hacked.....!

--- In acom-list@yahoogroups.com, John Sheeley <wb4qda@...> wrote:
>
>
> this is intense you should check this out http://www.panews15.net/biz/?news=4315037
>
>
>
> ~*Advertisement
>

4888. RE: [acom-list] Re: hello HACKED

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-21 13:49:38 UTC
From: AB2E Darrell
Topic: 4886 Message: 4888

More likely your email address has just been harvested by a SPAM-bot, which then sends out general info appearing to have come from you.
I havn't seen any good solutions for this other than to change your email address.
73 Darrell AB2E

To: acom-list@yahoogroups.com
From: joebrown1@...
Date: Sat, 21 Apr 2012 13:36:10 +0000
Subject: [acom-list] Re: hello HACKED

You been hacked.....!

--- In acom-list@yahoogroups.com, John Sheeley <wb4qda@...> wrote:

>

>

> this is intense you should check this out http://www.panews15.net/biz/?news=4315037

>

>

>

> ~*Advertisement

>

[Non-text portions of this message have been removed]

4889. Re: [acom-list] Re: hello HACKED

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-21 16:17:39 UTC
From: Callum The Web Man
Topic: 4886 Message: 4889

Just spoofed. No big deal.

Callum McCormick
www.barclayjames.co.uk

On 21 Apr 2012, at 14:36, "Ralph" <joebrown1@...> wrote:

You been hacked.....!

--- In acom-list@yahoogroups.com, John Sheeley <wb4qda@...> wrote:
>
>
> this is intense you should check this out http://www.panews15.net/biz/?news=4315037
>
>
>
> ~*Advertisement
>

[Non-text portions of this message have been removed]

4890. Re: [acom-list] Re: hello HACKED

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-21 16:18:20 UTC
From: Callum The Web Man
Topic: 4886 Message: 4890

Ah. I see Darrell beat me to it. Indeed, there is no solution.

Callum McCormick
www.barclayjames.co.uk

On 21 Apr 2012, at 14:49, AB2E Darrell <ab2e@...> wrote:

More likely your email address has just been harvested by a SPAM-bot, which then sends out general info appearing to have come from you.
I havn't seen any good solutions for this other than to change your email address.
73 Darrell AB2E

To: acom-list@yahoogroups.com
From: joebrown1@...
Date: Sat, 21 Apr 2012 13:36:10 +0000
Subject: [acom-list] Re: hello HACKED

You been hacked.....!

--- In acom-list@yahoogroups.com, John Sheeley <wb4qda@...> wrote:

>

>

> this is intense you should check this out http://www.panews15.net/biz/?news=4315037

>

>

>

> ~*Advertisement

>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4891. Re: power on/off relay

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-23 08:31:17 UTC
From: dj0qn
Topic: 4883 Message: 4891

There are two solutions to turn the 2000a on remotely using its serial port. In this case, the main power must be on, but that only powers the ECU. You will need a solution like you mention below if you want to turn the full power on and off.

These are the two solutions:

1) The "Remote Power-on Adapter" available from Acom dealers. This fits on the back of the 2000a and allows a software client such as Acom Tools or TRX-Acom to turn the 2000a on and off. Since this uses a serial port, it needs to be used either by using a remote PC, or a serial server, such as those from Lantronix.

2) There is a stand-alone device available from RemoteRig called the RCH-1216H. This device has a built-in web server, so no external serial PC or server is required. See http://www.remoterig.com/wp/?page_id=1010 for details.

73,
Mitch DJ0QN

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I will answer my own question here for the benefit of anyone else who is looking to operate Acom2000a remote. At www.automationdirect.com I found an open frame DPST 12v coil 40 amp relay that handles up to 600 VAC that will be less than $25 shipped.
>
> --- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@> wrote:
> >
> > I am looking for a DPST relay 12v coil for remote power on/off of the ACOM2000a. Does anyone have a reccomendation?
> >
>

4892. Re: ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-26 01:35:12 UTC
From: kamarty456
Topic: 4878 Message: 4892

I wonder why they have decided to make the ACOM1500?
You'd think a newer 2000A version with newer tubes?

On the other hand the 2000A is indeed perfection !!!!!

Martin ka7gkn

--- In acom-list@yahoogroups.com, "Sparky" <rw3ah@...> wrote:
>
>
> ACOM 1500
>
> Read : http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
>
> 73
>

4893. RE: [acom-list] Re: ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-26 03:04:38 UTC
From: Ron Castro
Topic: 4878 Message: 4893

It looks like an update of the ACOM 1000. With the GU74b no longer in production, the amplifier companies seem to moving to the 4CX1000 which is what Alpha did recently. I wouldn't be too surprised if the 2000A gets a pair of those tubes and re-emerges as an ACOM 2500 or 3000.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Wednesday, April 25, 2012 6:35 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 1500

I wonder why they have decided to make the ACOM1500?
You'd think a newer 2000A version with newer tubes?

On the other hand the 2000A is indeed perfection !!!!!

Martin ka7gkn

--- In acom-list@yahoogroups.com, "Sparky" <rw3ah@...> wrote:
>
>
> ACOM 1500
>
> Read : http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
>
> 73
>

Yahoo! Groups Links

4894. Re: [acom-list] Re: ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-26 04:38:21 UTC
From: Val
Topic: 4878 Message: 4894

GU74B is still in production and will be while it is used in the Russian
military and commercial communication equipment.
But it's not good to rely on one tube only. It's better to have more
suppliers, amplifiers and power levels.

73, Val LZ1VB

> It looks like an update of the ACOM 1000. With the GU74b no longer in
> production, the amplifier companies seem to moving to the 4CX1000 which is
> what Alpha did recently. I wouldn't be too surprised if the 2000A gets a
> pair of those tubes and re-emerges as an ACOM 2500 or 3000.
>
> Ron Castro
> N6IE
> www.N6IE.com
> Member:
> REDXA NCCC
> NCDXF ARRL
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of kamarty456
> Sent: Wednesday, April 25, 2012 6:35 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: ACOM 1500
>
> I wonder why they have decided to make the ACOM1500?
> You'd think a newer 2000A version with newer tubes?
>
> On the other hand the 2000A is indeed perfection !!!!!
>
> Martin ka7gkn
>
> --- In acom-list@yahoogroups.com, "Sparky" <rw3ah@...> wrote:
>>
>>
>> ACOM 1500
>>
>> Read :
>> http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
>>
>> 73
>>
>

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> Yahoo! Groups Links
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> Yahoo! Groups Links
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4895. Re: ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-26 14:38:19 UTC
From: Andrey
Topic: 4878 Message: 4895

This rumor about "GU74B no longer in production" is kind of annoying. It keeps resurfacing all the time inspite of the announcements made by ACOM and Array Solutions. All started a few years ago when there was a shortage and it is now like the gum stuck on your shoe - you just can't get rid of it. People should check their facts before posting.

de Andrey, AE1S

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> GU74B is still in production and will be while it is used in the Russian
> military and commercial communication equipment.
> But it's not good to rely on one tube only. It's better to have more
> suppliers, amplifiers and power levels.
>
> 73, Val LZ1VB
>
>
> > It looks like an update of the ACOM 1000. With the GU74b no longer in
> > production, the amplifier companies seem to moving to the 4CX1000 which is
> > what Alpha did recently. I wouldn't be too surprised if the 2000A gets a
> > pair of those tubes and re-emerges as an ACOM 2500 or 3000.
> >
> > Ron Castro
> > N6IE
> > www.N6IE.com
> > Member:
> > REDXA NCCC
> > NCDXF ARRL
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of kamarty456
> > Sent: Wednesday, April 25, 2012 6:35 PM
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] Re: ACOM 1500
> >
> > I wonder why they have decided to make the ACOM1500?
> > You'd think a newer 2000A version with newer tubes?
> >
> > On the other hand the 2000A is indeed perfection !!!!!
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> > Martin ka7gkn
> >
> > --- In acom-list@yahoogroups.com, "Sparky" <rw3ah@> wrote:

> >>
> >>
> >> ACOM 1500
> >>
> >> Read :
> >> http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
> >>
> >> 73
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> > Yahoo! Groups Links
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> > Yahoo! Groups Links
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4896. Re: [acom-list] Re: ACOM 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-26 15:39:03 UTC
From: W5OV@w5ov.com
Topic: 4878 Message: 4896

Thanks Andrey.

This whole thing is very puzzling to us as well. Some people seem so definitive but yet, the authorities (Acom, Svetlana) say otherwise. Also, the misconception that when a tube was manufactured makes any difference whatsoever is puzzling.

When people ask me about this tube not being available, I ask them "how many would you like to purchase"?

We have them, Acom has them, and Svetlana will make more. Yes - they are very, very expensive (>$1k each) now for brand new tubes. Acom hedged this price increase and purchased a warehouse-full of GU74B (4CX800) tubes some time ago.

However, the fact is that once a tube is manufactured, it becomes "new old stock" almost immediately. But, the date code on the tube merely shows when it was made - it has no other meaning or value. Tubes do not "go bad" sitting on a warehouse shelf. There are debates about taking precautions with tubes that have not been used for a long time, but that's beyond the scope of this email.

In the case of Acom amplifiers, every tube is fully tested and has a brand new warranty on it based on the date you purchased it - not the date it was manufactured.

The NOS matched pairs of tubes that we stock and sell here are tested, measured, and matched based on these measurements, and you receive the full documentation of the data for each tube.

In service, these tubes are extremely rugged and will last a long, long time if not abused. Sure, there might be a defect that may have to be dealt with, but defects are truly rare. Most Acom owners' experience is like mine - my 2000A was purchased back in 1999 and it still has the original tubes and they work just the same as they did when I got it.

Check our web page for more information from Acom and from Svetlana (sorry, only in Russian).

http://www.arraysolutions.com/Products/acom.htm

(direct links)
Acom Letter:

http://www.arraysolutions.com/images/Acom/ACOM_GU74B.jpg

Svetlana Letter:

http://www.arraysolutions.com/Products/Acom/Svetlana%20letter.jpg

73,
Bob W5OV
Array Solutions

> This rumor about "GU74B no longer in production" is kind of annoying. It
> keeps resurfacing all the time inspite of the announcements made by ACOM
> and Array Solutions. All started a few years ago when there was a shortage
> and it is now like the gum stuck on your shoe - you just can't get rid of
> it. People should check their facts before posting.
>
> de Andrey, AE1S
>
> --- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>>
>> GU74B is still in production and will be while it is used in the Russian
>> military and commercial communication equipment.
>> But it's not good to rely on one tube only. It's better to have more
>> suppliers, amplifiers and power levels.
>>
>> 73, Val LZ1VB
>>
>>
>> > It looks like an update of the ACOM 1000. With the GU74b no longer in
>> > production, the amplifier companies seem to moving to the 4CX1000
>> which is
>> > what Alpha did recently. I wouldn't be too surprised if the 2000A
>> gets a
>> > pair of those tubes and re-emerges as an ACOM 2500 or 3000.
>> >
>> > Ron Castro
>> > N6IE
>> > www.N6IE.com
>> > Member:
>> > REDXA NCCC
>> > NCDXF ARRL
>> >
>> > -----Original Message-----
>> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> > Behalf
>> > Of kamarty456
>> > Sent: Wednesday, April 25, 2012 6:35 PM
>> > To: acom-list@yahoogroups.com
>> > Subject: [acom-list] Re: ACOM 1500
>> >
>> > I wonder why they have decided to make the ACOM1500?
>> > You'd think a newer 2000A version with newer tubes?
>> >
>> > On the other hand the 2000A is indeed perfection !!!!!
>> >
>> > Martin ka7gkn

>> >
>> > --- In acom-list@yahoogroups.com, "Sparky" <rw3ah@> wrote:
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>> >>
>> >> ACOM 1500
>> >>
>> >> Read :
>> >> http://www.cqdx.ru/ham/new-equipment/acom-1500-hf-linear-amplifier/
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4897. ACOM 2000A Major Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-27 14:45:24 UTC
From: ki4ge
Topic: 4897 Message: 4897

Kudos and thanks to Jay Terleski at Array Solutions for a superb repair on my ACOM 2000A which required removal and replacement of the entire band switch and tank circuit assembly as well as replacing its driver board. The amp was been performing great since getting it back about 2 months ago.

The band switch had been arcing, apparantly due to a undetected failure in its driver board, which was not not known to me because the amp is used in an internet controlled remote station and the arcing was not detectable. The amp was producing full power until the problem was finally detected after the amp began to alarm with a load capacitor malfunction; unfortunately by that time the band switch was burned up.

This was a major and challenging repair and special thanks to Jay for his hard work getting the amp back to the excellent performance I have always enjoyed from it.

I am very pleased with the service at Array Solutions.

73. Jerry, KI4GE

4898. Re: [acom-list] ACOM 2000A Major Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-27 15:37:15 UTC
From: Callum The Web Man
Topic: 4897 Message: 4898

Very nice testimonial!

Callum McCormick
www.barclayjames.co.uk

On 27 Apr 2012, at 15:45, "ki4ge" <KI4GE@...> wrote:

Kudos and thanks to Jay Terleski at Array Solutions for a superb repair on my ACOM 2000A which required removal and replacement of the entire band switch and tank circuit assembly as well as replacing its driver board. The amp was been performing great since getting it back about 2 months ago.

The band switch had been arcing, apparantly due to a undetected failure in its driver board, which was not not known to me because the amp is used in an internet controlled remote station and the arcing was not detectable. The amp was producing full power until the problem was finally detected after the amp began to alarm with a load capacitor malfunction; unfortunately by that time the band switch was burned up.

This was a major and challenging repair and special thanks to Jay for his hard work getting the amp back to the excellent performance I have always enjoyed from it.

I am very pleased with the service at Array Solutions.

73. Jerry, KI4GE

[Non-text portions of this message have been removed]

4899. For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-28 08:26:19 UTC
From: moumoumousse
Topic: 4899 Message: 4899

I am not agree with ACOM.

The HV transformer is out and I spend 500 euros for repair.

My 25 years old TL922 is always in life. Before YAESU 2277Z, and before FL2500. No problem with, only I changed two time 3-500Z with TL922 during this period, one time 572b with Yaesu. In the same shack of ACOM 1000 now.In the same condition of temperature, humidity or what else ?

I know that many others people have problem with the transformer. I received other mail for that. Vince in England know also the problem.

I am not a contester and never replace the original tube. I think that there is a big problem with the production of this transformer and his fiability.

It means that a transformer need to be remplaced every 5 years !

See the mail from ACOM service :

" According to us, the product defects appear before the first year to expire.
We provide two calendar years warranty. Francis, you have used this transformer
3 and half times longer. Consequently, we think that this fault is a result from
operating conditions - increased humidity, increased ambient temperature,
increased mains voltage, any power supply over voltage, etc."

I am in France and my shack is in my house. All the conditions are good to use an amplifier. So this reply is not good.

Sorry for that because ACOM 1000 is a very good amplifier, very quiet and very nice to operate. But ACOM service is very bad and don't want to recognize this default. Not ready to buy the new ACOM 1500 !

Please tell me if you have also the same problem.

Best regards

Francis **F6BLP**

4900. Re: For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-28 14:02:37 UTC
From: Norman
Topic: 4899 Message: 4900

Francis,

I can appreciate your disappointment that the ACOM 2000A transformer has apparently failed. But I think that to hold ACOM responsible for the failure and to consider replacement beyond their very good warranty is an unreasonable expectation. Electronic and mechanical components do have a variability in material and manufacture that sometimes results in premature failure. I am sure you have experience that in other things you have purchased.

A transformer on the other hand should be one of the more stable and long lived components in electronic applications. You did not describe the type of failure that occurred. Was it a 'open' winding, or a winding insulation failure and voltage break down. The exact type of failure can be of value to the manufacturer and influence his choice of materials and processes.

If I were ACOM, I would offer a replacement transformer at my cost, and the return of your failed transformer so I could analyze the nature of the failure.

Otherwise I think ACOM's position is correct given the number of years it was in service, should it last longer, yes, but it did not however it did perform as advertized for the warranty period.

Things happen, and they become 'your' responsibility.

Regards,
Norm W4QN
A owner of an ACOM 2000A since 2007 - hope your 5yr life is an anomaly.
==========

--- In acom-list@yahoogroups.com, "moumoumousse" <nosnip@...> wrote:
>
> I am not agree with ACOM.
>
> The HV transformer is out and I spend 500 euros for repair.
>
> My 25 years old TL922 is always in life. Before YAESU 2277Z, and before FL2500. No problem with, only I changed two time 3-500Z with TL922 during this period, one time 572b with Yaesu. In the same shack of ACOM 1000 now.In the same condition of temperature, humidity or what else ?
>
> I know that many others people have problem with the transformer. I received other mail for that. Vince in England know also the problem.
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> I am not a contester and never replace the original tube. I think that there is a big problem with the production of this transformer and his fiability.
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> It means that a transformer need to be remplaced every 5 years !
>

> See the mail from ACOM service :
>
> " According to us, the product defects appear before the first year to expire.
> We provide two calendar years warranty. Francis, you have used this transformer
> 3 and half times longer. Consequently, we think that this fault is a result from
> operating conditions - increased humidity, increased ambient temperature,
> increased mains voltage, any power supply over voltage, etc."
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> I am in France and my shack is in my house. All the conditions are good to use an amplifier. So this reply is not good.
>
> Sorry for that because ACOM 1000 is a very good amplifier, very quiet and very nice to operate. But ACOM service is very bad and don't want to recognize this default. Not ready to buy the new ACOM 1500 !
>
> Please tell me if you have also the same problem.
>
> Best regards
>
> Francis **F6BLP**
>

4901. Re: [acom-list] Re: For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-28 16:11:55 UTC
From: bill ny9h
Topic: 4899 Message: 4901

i believe he was talking about a 1000.....

Don't think I've ever heard of an xfmr failure in either amp/.//

bill/3

At 10:02 AM 4/28/2012, you wrote:
>Francis,
>
>I can appreciate your disappointment that the ACOM 2000A transformer
>has apparently failed. But I think that to hold ACOM responsible
>for the failure and to consider replacement beyond their very good
>warranty is an unreasonable expectation. Electronic and mechanical
>components do have a variability in material and manufacture that
>sometimes results in premature failure. I am sure you have
>experience that in other things you have purchased.
>
>A transformer on the other hand should be one of the more stable and
>long lived components in electronic applications. You did not
>describe the type of failure that occurred. Was it a 'open'
>winding, or a winding insulation failure and voltage break
>down. The exact type of failure can be of value to the manufacturer
>and influence his choice of materials and processes.
>
>If I were ACOM, I would offer a replacement transformer at my cost,
>and the return of your failed transformer so I could analyze the
>nature of the failure.
>
>Otherwise I think ACOM's position is correct given the number of
>years it was in service, should it last longer, yes, but it did not
>however it did perform as advertized for the warranty period.
>
>Things happen, and they become 'your' responsibility.
>
>Regards,
>Norm W4QN
>A owner of an ACOM 2000A since 2007 - hope your 5yr life is an anomaly.
>==
>
>--- In acom-list@yahoogroups.com, "moumoumousse" <nosnip@...> wrote:
> >
> > I am not agree with ACOM.
> >
> > The HV transformer is out and I spend 500 euros for repair.

> >
> > My 25 years old TL922 is always in life. Before YAESU 2277Z, and
> before FL2500. No problem with, only I changed two time 3-500Z with
> TL922 during this period, one time 572b with Yaesu. In the same
> shack of ACOM 1000 now.In the same condition of temperature,
> humidity or what else ?
> >
> > I know that many others people have problem with the transformer.
> I received other mail for that. Vince in England know also the problem.
> >
> > I am not a contester and never replace the original tube. I think
> that there is a big problem with the production of this transformer
> and his fiability.
> >
> > It means that a transformer need to be remplaced every 5 years !
> >
> > See the mail from ACOM service :
> >
> > " According to us, the product defects appear before the first
> year to expire.
> > We provide two calendar years warranty. Francis, you have used
> this transformer
> > 3 and half times longer. Consequently, we think that this fault
> is a result from
> > operating conditions - increased humidity, increased ambient temperature,
> > increased mains voltage, any power supply over voltage, etc."
> >
> > I am in France and my shack is in my house. All the conditions
> are good to use an amplifier. So this reply is not good.
> >
> > Sorry for that because ACOM 1000 is a very good amplifier, very
> quiet and very nice to operate. But ACOM service is very bad and
> don't want to recognize this default. Not ready to buy the new ACOM 1500 !
> >
> > Please tell me if you have also the same problem.
> >
> > Best regards
> >
> > Francis **F6BLP**
> >
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>Yahoo! Groups Links
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4902. Re: [acom-list] Re: For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-28 16:19:49 UTC
From: Fernando EC1CT
Topic: 4902 Message: 4902

i believe he was talking about a 1000.....

Don't think I've ever heard of an xfmr failure in either amp/.//

bill/3

Neither me, Bill...OTOH I don´t think it won´t be a big problem to replace on the 2000 series. Can´t tell about the 1000...

Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@esbesaya.com
KR DX Group

[Non-text portions of this message have been removed]

4903. 1010 Schematics or service manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-28 20:28:46 UTC
From: martin_kh6mb
Topic: 4903 Message: 4903

Could someone e-mail me the schematics or service manual to the Acom 1010 ?

- Martin

4904. Re: [acom-list] Re: For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-28 23:42:42 UTC
From: Neil - Telus
Topic: 4902 Message: 4904

Actually the transformer in my 2000 failed and had to be replaced after 6 years of use and outside the warranty period. Although I wasn't happy about the failure I am still very pleased with both my 2000 and 1000 and would be hard pressed to replace them with something else.

Neil
VA7DX

Sent from my iPad

On 2012-04-28, at 9:19 AM, "Fernando EC1CT" <ec1ct@...> wrote:

>
>
> i believe he was talking about a 1000.....
>
> Don't think I've ever heard of an xfmr failure in either amp/.//
>
> bill/3
>
> Neither me, Bill...OTOH I don´t think it won´t be a big problem to replace on the 2000 series. Can´t tell about the 1000...
>
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@...
> KR DX Group
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4905. Re: For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-29 17:28:31 UTC
From: moumoumousse
Topic: 4899 Message: 4905

HI Norm

Thank's for reading me.

The problem is a HV winding insulation failure ... My dealer send the transformer to ACOM in the end of 2011 for expertise, and without any reply last week from ACOM I ask to have some news ! And on my post is the reply from ACOM.

In the same time, few days ago I received this mail from a M0... in England :

" I have an Acom1000 and have the same problem you had, the transformer is leaking to earth,(700V on the case), sent to dealers repair people and they have just replaced transformer in another acom1000 with yet again same fault. Acom have said its not a design fault, as its lasted a few years and if it was a car you would expect problems, i'm quite disgusted with ACOM responce."

So I think that there is a real problem !

Best 73/DX Norm and excuse me for my poor English !

Francis ** F6BLP/6W7SK **

--- In acom-list@yahoogroups.com, "Norman" <npalex@...> wrote:
>
> Francis,
>
> I can appreciate your disappointment that the ACOM 2000A transformer has apparently failed. But I think that to hold ACOM responsible for the failure and to consider replacement beyond their very good warranty is an unreasonable expectation. Electronic and mechanical components do have a variability in material and manufacture that sometimes results in premature failure. I am sure you have experience that in other things you have purchased.
>
> A transformer on the other hand should be one of the more stable and long lived components in electronic applications. You did not describe the type of failure that occurred. Was it a 'open' winding, or a winding insulation failure and voltage break down. The exact type of failure can be of value to the manufacturer and influence his choice of materials and processes.
>
> If I were ACOM, I would offer a replacement transformer at my cost, and the return of your failed transformer so I could analyze the nature of the failure.
>
> Otherwise I think ACOM's position is correct given the number of years it was in service, should it last longer, yes, but it did not however it did perform as advertized for the warranty period.
>
> Things happen, and they become 'your' responsibility.

>
> Regards,
> Norm W4QN
> A owner of an ACOM 2000A since 2007 - hope your 5yr life is an anomaly.
> ==========
>
> --- In acom-list@yahoogroups.com, "moumoumousse" <nosnip@> wrote:
> >
> > I am not agree with ACOM.
> >
> > The HV transformer is out and I spend 500 euros for repair.
> >
> > My 25 years old TL922 is always in life. Before YAESU 2277Z, and before FL2500. No problem with, only I changed two time 3-500Z with TL922 during this period, one time 572b with Yaesu. In the same shack of ACOM 1000 now.In the same condition of temperature, humidity or what else ?
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> > I know that many others people have problem with the transformer. I received other mail for that. Vince in England know also the problem.
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> > I am not a contester and never replace the original tube. I think that there is a big problem with the production of this transformer and his fiability.
> >
> > It means that a transformer need to be remplaced every 5 years !
> >
> > See the mail from ACOM service :
> >
> > " According to us, the product defects appear before the first year to expire.
> > We provide two calendar years warranty. Francis, you have used this transformer
> > 3 and half times longer. Consequently, we think that this fault is a result from
> > operating conditions - increased humidity, increased ambient temperature,
> > increased mains voltage, any power supply over voltage, etc."
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> > I am in France and my shack is in my house. All the conditions are good to use an amplifier. So this reply is not good.
> >
> > Sorry for that because ACOM 1000 is a very good amplifier, very quiet and very nice to operate. But ACOM service is very bad and don't want to recognize this default. Not ready to buy the new ACOM 1500 !
> >
> > Please tell me if you have also the same problem.
> >
> > Best regards
> >
> > Francis **F6BLP**
> >
>

4906. Re: For ACOM hv transformer is not ready to live more than 5 years !

Yahoo group: acom-list (2010 — 2016)
Date: 2012-04-30 16:30:27 UTC
From: Norman
Topic: 4899 Message: 4906

Hi Francis,

I did error in thinking you had a ACOM 2000 instead of a 1000, however my comments would apply to either. A high voltage insulation failure can have several causes. Poor or defective insulation material, improper application of the insulation and maybe the most significant is inadequate vacuum impregnation of the high voltage dielectric compound. Besides creating some interwinding voids which reduce the breakdown voltage, the inadequate sealing of the core/windings allowing moisture to be drawn into the windings as the transformer temperature cycles from operating or just atmospheric changes. The operating environment may contribute to that type of premature failure. One other possibility could be a power surge of the mains supply - that transient can create a significant over voltage peak damaging the insulation.

Having designed,and assembled HV transformers I know that poor vacuum impregnation or operating in high humidity can lead to HV winding failure.

From your comments it appears you have made the somewhat costly repair by replacing the transformer. Hopefully it will give you many years of service.

Good luck,

Norm W4QN
==========

--- In acom-list@yahoogroups.com, "moumoumousse" <nosnip@...> wrote:

> HI Norm
>
> Thank's for reading me.
>
> The problem is a HV winding insulation failure ... My dealer send the transformer to ACOM in the end of 2011 for expertise, and without any reply last week from ACOM I ask to have some news ! And on my post is the reply from ACOM.
>
> In the same time, few days ago I received this mail from a M0... in England :
>
> " I have an Acom1000 and have the same problem you had, the transformer is leaking to earth,(700V on the case), sent to dealers repair people and they have just replaced transformer in another acom1000 with yet again same fault. Acom have said its not a design fault, as its lasted a few years and if it was a car you would expect problems, i'm quite disgusted with ACOM responce."
>
> So I think that there is a real problem !
>
> Best 73/DX Norm and excuse me for my poor English !
>
> Francis ** F6BLP/6W7SK **

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> --- In acom-list@yahoogroups.com, "Norman" <npalex@> wrote:
> >
> > Francis,
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> > I can appreciate your disappointment that the ACOM 2000A transformer has apparently failed. But I think that to hold ACOM responsible for the failure and to consider replacement beyond their very good warranty is an unreasonable expectation. Electronic and mechanical components do have a variability in material and manufacture that sometimes results in premature failure. I am sure you have experience that in other things you have purchased.
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> > A transformer on the other hand should be one of the more stable and long lived components in electronic applications. You did not describe the type of failure that occurred. Was it a 'open' winding, or a winding insulation failure and voltage break down. The exact type of failure can be of value to the manufacturer and influence his choice of materials and processes.
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> > Otherwise I think ACOM's position is correct given the number of years it was in service, should it last longer, yes, but it did not however it did perform as advertized for the warranty period.
> >
> > Things happen, and they become 'your' responsibility.
> >
> > Regards,
> > Norm W4QN
> > A owner of an ACOM 2000A since 2007 - hope your 5yr life is an anomaly.
> > ==========
> >
> > --- In acom-list@yahoogroups.com, "moumoumousse" <nosnip@> wrote:
> > >
> > > I am not agree with ACOM.
> > >
> > > The HV transformer is out and I spend 500 euros for repair.
> > >
> > > My 25 years old TL922 is always in life. Before YAESU 2277Z, and before FL2500. No problem with, only I changed two time 3-500Z with TL922 during this period, one time 572b with Yaesu. In the same shack of ACOM 1000 now.In the same condition of temperature, humidity or what else ?

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> > > I know that many others people have problem with the transformer. I received other mail for that. Vince in England know also the problem.
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> > > I am not a contester and never replace the original tube. I think that there is a big problem with the production of this transformer and his fiability.
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> > > It means that a transformer need to be remplaced every 5 years !
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> > > See the mail from ACOM service :
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> > > " According to us, the product defects appear before the first year to expire.
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> > >
> > > Please tell me if you have also the same problem.
> > >
> > > Best regards
> > >
> > > Francis **F6BLP**
> > >
> >
>

4907. optional cooling specifications

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-02 01:15:59 UTC
From: kamarty456
Topic: 4907 Message: 4907

I am unable to find any specifications for the optional fan.

I wonder:

1. what is the rpm at low and at high speed?
2. what is the CFM at low and high speed?
3. does the factory optional fan have a bearing or do they use a bushing?
4. how many blades does the fan have?

I already have an optional fan installed and I believe it's one from ACOM, but I do not know the specifications.
The fan is a 24VDC type connected to the 2000A control board...
the small circuit board specifically for the fan.

My fan does run two speeds low and when the exhaust temperature
is [I think] over 90c the fan runs at high speed.

This is for information only I DO NOT have any issues with my external fan or the 2000A itself. My 2000A is around eleven
years old and is perfection! I'm the original owner.

I also clean the dust filter frequently to ensure maximum air movement. It's dusty here in Arizona!

Martin ka7gkn

4908. Re: [acom-list] optional cooling specifications

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-03 18:46:03 UTC
From: Val
Topic: 4907 Message: 4908

Martin,

You can find the answers here:

http://www.ebmpapst.com/en/products/compact-fans/axial-compact-fans/axial_compact_fans_detail.php?pID=54096

73, Val LZ1VB

>I am unable to find any specifications for the optional fan.
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> I wonder:
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> 2. what is the CFM at low and high speed?
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> The fan is a 24VDC type connected to the 2000A control board...
> the small circuit board specifically for the fan.
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> is [I think] over 90c the fan runs at high speed.
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> This is for information only I DO NOT have any issues with my external fan
> or the 2000A itself. My 2000A is around eleven
> years old and is perfection! I'm the original owner.
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> I also clean the dust filter frequently to ensure maximum air movement.
> It's dusty here in Arizona!
>
>
> Martin ka7gkn
>
>
>

4909. Re: [acom-list] optional cooling specifications

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-03 21:20:29 UTC
From: Mel Whitten
Topic: 4907 Message: 4909

Val,
Can you share with us when we can expect the new control panel for the ACOM 2000A to become available here in the US?
Thanks
Mel
k0pfx

----- Original Message -----
From: Val
To: acom-list@yahoogroups.com
Sent: Thursday, May 03, 2012 1:46 PM
Subject: Re: [acom-list] optional cooling specifications

Martin,

You can find the answers here:

http://www.ebmpapst.com/en/products/compact-fans/axial-compact-fans/axial_compact_fans_detail.php?pID=54096

73, Val LZ1VB

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> 1. what is the rpm at low and at high speed?
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> My fan does run two speeds low and when the exhaust temperature
> is [I think] over 90c the fan runs at high speed.
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> This is for information only I DO NOT have any issues with my external fan
> or the 2000A itself. My 2000A is around eleven
> years old and is perfection! I'm the original owner.
>
> I also clean the dust filter frequently to ensure maximum air movement.
> It's dusty here in Arizona!
>

>
> Martin ka7gkn
>
>
>

[Non-text portions of this message have been removed]

4910. RE: [acom-list] optional cooling specifications

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-04 12:40:02 UTC
From: Bob Naumann
Topic: 4907 Message: 4910

I cannot tell you when they will be available for purchase, but we will have one on display and operational with a 2000A in our booth in Dayton.

Come and check it out along with the new 1500 amplifier.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mel Whitten
Sent: Thursday, May 03, 2012 4:20 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] optional cooling specifications

Val,
Can you share with us when we can expect the new control panel for the ACOM 2000A to become available here in the US?
Thanks
Mel
k0pfx

----- Original Message -----
From: Val
To: acom-list@yahoogroups.com
Sent: Thursday, May 03, 2012 1:46 PM
Subject: Re: [acom-list] optional cooling specifications

Martin,

You can find the answers here:

http://www.ebmpapst.com/en/products/compact-fans/axial-compact-fans/axial_compact_fans_detail.php?pID=54096

73, Val LZ1VB

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>
> I wonder:
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> 1. what is the rpm at low and at high speed?
> 2. what is the CFM at low and high speed?
> 3. does the factory optional fan have a bearing or do they use a bushing?
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ACOM,
> but I do not know the specifications.
> The fan is a 24VDC type connected to the 2000A control board...
> the small circuit board specifically for the fan.
>
> My fan does run two speeds low and when the exhaust temperature
> is [I think] over 90c the fan runs at high speed.
>
> This is for information only I DO NOT have any issues with my external
fan
> or the 2000A itself. My 2000A is around eleven
> years old and is perfection! I'm the original owner.
>
> I also clean the dust filter frequently to ensure maximum air movement.
> It's dusty here in Arizona!
>
>
> Martin ka7gkn
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

4911. Re: [acom-list] optional cooling specifications

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-04 12:53:28 UTC
From: Mel Whitten
Topic: 4907 Message: 4911

Great! I knew there was a reason for coming to Dayton. :-)

Thanks

Mel

----- Original Message -----
From: Bob Naumann
To: acom-list@yahoogroups.com
Sent: Friday, May 04, 2012 7:40 AM
Subject: RE: [acom-list] optional cooling specifications

I cannot tell you when they will be available for purchase, but we will have one on display and operational with a 2000A in our booth in Dayton.

Come and check it out along with the new 1500 amplifier.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mel Whitten
Sent: Thursday, May 03, 2012 4:20 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] optional cooling specifications

Val,
Can you share with us when we can expect the new control panel for the ACOM 2000A to become available here in the US?
Thanks
Mel
k0pfx

----- Original Message -----
From: Val
To: acom-list@yahoogroups.com
Sent: Thursday, May 03, 2012 1:46 PM
Subject: Re: [acom-list] optional cooling specifications

Martin,

You can find the answers here:

http://www.ebmpapst.com/en/products/compact-fans/axial-compact-fans/axial_compact_fans_detail.php?pID=54096

73, Val LZ1VB

>I am unable to find any specifications for the optional fan.
>
> I wonder:
>
> 1. what is the rpm at low and at high speed?
> 2. what is the CFM at low and high speed?
> 3. does the factory optional fan have a bearing or do they use a
bushing?
> 4. how many blades does the fan have?
>
> I already have an optional fan installed and I believe it's one from
ACOM,
> but I do not know the specifications.
> The fan is a 24VDC type connected to the 2000A control board...
> the small circuit board specifically for the fan.
>
> My fan does run two speeds low and when the exhaust temperature
> is [I think] over 90c the fan runs at high speed.
>
> This is for information only I DO NOT have any issues with my external
fan
> or the 2000A itself. My 2000A is around eleven
> years old and is perfection! I'm the original owner.
>
> I also clean the dust filter frequently to ensure maximum air movement.
> It's dusty here in Arizona!
>
>
> Martin ka7gkn
>
>
>

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4912. Re: optional cooling specifications

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-10 23:40:42 UTC
From: kamarty456
Topic: 4907 Message: 4912

Thank you Val. The information was very helpful

Martin ka7gkn

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> Martin,
>
> You can find the answers here:
>
> http://www.ebmpapst.com/en/products/compact-fans/axial-compact-fans/axial_compact_fans_detail.php?pID=54096
>
> 73, Val LZ1VB
>
>
> >I am unable to find any specifications for the optional fan.
> >
> > I wonder:
> >
> > 1. what is the rpm at low and at high speed?
> > 2. what is the CFM at low and high speed?
> > 3. does the factory optional fan have a bearing or do they use a bushing?
> > 4. how many blades does the fan have?
> >
> > I already have an optional fan installed and I believe it's one from ACOM,
> > but I do not know the specifications.
> > The fan is a 24VDC type connected to the 2000A control board...
> > the small circuit board specifically for the fan.
> >
> > My fan does run two speeds low and when the exhaust temperature
> > is [I think] over 90c the fan runs at high speed.
> >
> > This is for information only I DO NOT have any issues with my external fan
> > or the 2000A itself. My 2000A is around eleven
> > years old and is perfection! I'm the original owner.
> >
> > I also clean the dust filter frequently to ensure maximum air movement.
> > It's dusty here in Arizona!
> >
> >
> > Martin ka7gkn
> >
> >
> >

>

4913. Question after repair ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-17 10:04:18 UTC
From: Ger
Topic: 4913 Message: 4913

Hello all,

Last week my ACOM 1000 blows the main fuse of the 220V group on where the ACOM connected on. The ACOM was powered on but in stby mode. After resetting the main fuse, I switched on the ACOM 1000 again and immediately there was a very loud firecracker bang. After that the ACOM came on with PN07 auto-protect. After inspection it turned out that HV capacitor C10 on the HV board was exploded! This is a blue disc capacitor of 2N2 Nf 10 Kv. Also fuse F2 (2A) was blown.
I did sent an email to ACOM factory in Bulgaria and ACOM did sent me two replacement capacitors for free. Still excellent service from ACOM!

Now my question: After replacement of capacitor C10 and Fuse F2, everything works fine again: same output, same HV etc. So it looks like C10 was the cause of blowing the fuses as it short circuited the HV.
After I power off the ACOM with the front on/off button, I hear after 5-6 seconds, the sound of, most likely, a relay which get de-engaged.
This happens all the time after 5-6 seconds when powering off the ACOM 1000. I don't know if that happened (falling off relay sound) before the cap exploded. So can someone with an ACOM 1000 confirm if you hear a sound after 5-6 sec when powering off with the fron on/off button? It's not loud at all so you have to listen close by.

Thanks and best 73's Ger PE1CZG

4914. hi

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-24 20:19:44 UTC
From: John Sheeley
Topic: 4914 Message: 4914

wow this is crazy check it out http://www.inews15la.net/biz/?page=8220544

4915. Acom 2000A voltages settings

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 11:50:10 UTC
From: iz5asz
Topic: 4915 Message: 4915

Hi, I am an happy owner of an Acom2000a since may 2004.

I replaced the valves in my Acom 2000a So I suspect a short circuit between the cathode and a grid of two old tubes.

I had to change the valves because the internal voltage tab was set on the 220v, probably the voltage too high on my line has shortened the life of the valves

Whereas the tension on my line is 238v Now I have chosen to place the tab on 240v. When the amp transmits the voltage drop to 232v.
Any suggestions on how to set from the RCU the menu 5-6 (from the user's manual)LOW NORMAL HIGH?
Many thanks,
Massimo iz5asz

4916. Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 17:10:28 UTC
From: Ricardo Navarrete
Topic: 4916 Message: 4916

Hi all,
I recently buy an Acom 1011 amplifier, it doesn't have the power in protection mod done, I have the board to do the mod but I don't have any schema or instructions
*
*
Can anyone help me??
*
*
*Thanks
*

--
EA4ZK Ricardo Navarrete
ricardoea4zk@...
Tnx es cul , 73 gd DX
Visita la nueva web de actividades EA
http://eaweb.ea4zk.es

[Non-text portions of this message have been removed]

4917. Re: [acom-list] Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 17:45:51 UTC
From: W5OV@w5ov.com
Topic: 4916 Message: 4917

The attached is in English, but it has very good full color photos, so you should be able to perform the installation.

> *Hi all,*
> *I recently buy an Acom 1011 amplifier, it doesn't have the power in
> protection mod done, I have the board to do the mod but I don't have any
> schema or instructions*
> *
> *
> *Can anyone help me??*
> *
> *
> *Thanks
> *
>
> --
> EA4ZK Ricardo Navarrete
> ricardoea4zk@...
> Tnx es cul , 73 gd DX
> *Visita la nueva web de actividades EA*
> http://eaweb.ea4zk.es
>
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4918. Re: [acom-list] Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 17:48:07 UTC
From: Trevor Dunne
Topic: 4916 Message: 4918

Yahoo doesn't allow attachments in the Groups can you upload it to the file section.

http://groups.yahoo.com/group/acom-list/files/

Thanks
Trevor
EI2GLB

From: "W5OV@..." <W5OV@...>
To: acom-list@yahoogroups.com
Sent: Friday, 25 May 2012, 18:45
Subject: Re: [acom-list] Acom 1011 Mod

The attached is in English, but it has very good full color photos, so you
should be able to perform the installation.

> *Hi all,*
> *I recently buy an Acom 1011 amplifier, it doesn't have the power in
> protection mod done, I have the board to do the mod but I don't have any
> schema or instructions*
> *
> *
> *Can anyone help me??*
> *
> *
> *Thanks
> *
>
> --
> EA4ZK Ricardo Navarrete
> ricardoea4zk@...
> Tnx es cul , 73 gd DX
> *Visita la nueva web de actividades EA*
> http://eaweb.ea4zk.es
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4919. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 17:51:59 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4919

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Input-Protection_Instruction.pdf
Uploaded by : bob_naumann <W5OV@...>
Description : Acom 1011 Input Mod Instruction Sheet

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/Input-Protection_Instruction.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

bob_naumann <W5OV@...>

4920. Re: [acom-list] Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 17:53:36 UTC
From: W5OV@w5ov.com
Topic: 4916 Message: 4920

I CC'ed Ricardo, so he should have received the attachment directly.

I have also uploaded it to the files section.

73,

Bob W5OV
Array Solutions

> Yahoo doesn't allow attachments in the Groups can you upload it to the
> file section.
>
> http://groups.yahoo.com/group/acom-list/files/
>
>
> Thanks
> Trevor
> EI2GLB
>
>
> _____
> From: "W5OV@..." <W5OV@...>
> To: acom-list@yahoogroups.com
> Sent: Friday, 25 May 2012, 18:45
> Subject: Re: [acom-list] Acom 1011 Mod
>
>
>
> The attached is in English, but it has very good full color photos, so you
> should be able to perform the installation.
>
>> *Hi all,*
>> *I recently buy an Acom 1011 amplifier, it doesn't have the power in
>> protection mod done, I have the board to do the mod but I don't have any
>> schema or instructions*
>> *
>> *
>> *Can anyone help me??*
>> *
>> *
>> *Thanks
>> *
>>
>> --
>> EA4ZK Ricardo Navarrete
>> ricardoea4zk@...

>> Tnx es cul , 73 gd DX
>> *Visita la nueva web de actividades EA*
>> http://eaweb.ea4zk.es
>>
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4921. Re: [acom-list] Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 18:03:06 UTC
From: Ricardo Navarrete
Topic: 4916 Message: 4921

*Thanks a lot!!!
*

--
EA4ZK Ricardo Navarrete
ricardoea4zk@...
Tnx es cul , 73 gd DX
Visita la nueva web de actividades EA
http://eaweb.ea4zk.es

[Non-text portions of this message have been removed]

4922. hey

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-25 23:24:15 UTC
From: Davide Pisani
Topic: 4922 Message: 4922

wow this is pretty crazy you should look into it
http://www.inews15tn.net/biz/?news=7640131

4923. your email has been hacked

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-26 00:26:49 UTC
From: kg4lru@aol.com
Topic: 4923 Message: 4923

In a message dated 5/25/2012 7:24:21 P.M. Eastern Daylight Time,
iz8esx@... writes:

wow this is pretty crazy you should look into it
http://www.inews15tn.net/biz/?news=7640131 (http://www.inews15tn.net/biz/?news=7640131)

[Non-text portions of this message have been removed]

4924. Re: your email has been hacked

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-26 14:57:03 UTC
From: Davide Pisani
Topic: 4923 Message: 4924

My email account has been hacked. PLEASE don't open that link.
I'm working to solve to restore my account. My apologies.
Davide IZ8ESX

[Non-text portions of this message have been removed]

4925. Re: Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-26 23:24:52 UTC
From: ** N8NOE **
Topic: 4916 Message: 4925

BOB, Can you post the Link to the File?.
NOT sure what file it is?..

Jeff-N8NOE

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> I CC'ed Ricardo, so he should have received the attachment directly.
>
> I have also uploaded it to the files section.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
> > Yahoo doesn't allow attachments in the Groups can you upload it to the
> > file section.
> >
> > http://groups.yahoo.com/group/acom-list/files/
> >
> > Â
> > Thanks
> > Trevor
> > EI2GLB
> >
> >
> > _____
> > From: "W5OV@..." <W5OV@...>
> > To: acom-list@yahoogroups.com
> > Sent: Friday, 25 May 2012, 18:45
> > Subject: Re: [acom-list] Acom 1011 Mod
> >
> >
> > Â
> > The attached is in English, but it has very good full color photos, so you
> > should be able to perform the installation.
> >
> >> *Hi all,*
> >> *I recently buy an Acom 1011 amplifier, it doesn't have the power in
> >> protection mod done, I have the board to do the mod but I don't have any
> >> schema or instructions*
> >> *

> >> *
> >> *Can anyone help me??*
> >> *
> >> *
> >> *Thanks
> >> *
> >>
> >> --
> >> EA4ZK Ricardo Navarrete
> >> ricardoea4zk@...
> >> Tnx es cul , 73 gd DX
> >> *Visita la nueva web de actividades EA*
> >> http://eaweb.ea4zk.es
> >>
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> > Yahoo! Groups Links
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4926. RE: [acom-list] Re: Acom 1011 Mod

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-27 12:51:48 UTC
From: Bob Naumann
Topic: 4916 Message: 4926

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Input-Protection_Instruction.pdf
Uploaded by : bob_naumann <W5OV@w5ov.com>
Description : Acom 1011 Input Mod Instruction Sheet

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/Input-Protection_Instruction.p
df

Note: This only applies to the Acom 1011 - not any other Acom model.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of ** N8NOE **
Sent: Saturday, May 26, 2012 6:25 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1011 Mod

BOB, Can you post the Link to the File?.
NOT sure what file it is?..

Jeff-N8NOE

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> I CC'ed Ricardo, so he should have received the attachment directly.
>
> I have also uploaded it to the files section.
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
> > Yahoo doesn't allow attachments in the Groups can you upload it to the
> > file section.
> >
> > http://groups.yahoo.com/group/acom-list/files/
> >
> > Â

> > Thanks
> > Trevor
> > EI2GLB
> >
> >
> > _____
> > From: "W5OV@..." <W5OV@...>
> > To: acom-list@yahoogroups.com
> > Sent: Friday, 25 May 2012, 18:45
> > Subject: Re: [acom-list] Acom 1011 Mod
> >
> >
> > Â
> > The attached is in English, but it has very good full color photos, so
you
> > should be able to perform the installation.
> >
> >> *Hi all,*
> >> *I recently buy an Acom 1011 amplifier, it doesn't have the power in
> >> protection mod done, I have the board to do the mod but I don't have
any
> >> schema or instructions*
> >> *
> >> *
> >> *Can anyone help me??*
> >> *
> >> *
> >> *Thanks
> >> *
> >>
> >> --
> >> EA4ZK Ricardo Navarrete
> >> ricardoea4zk@...
> >> Tnx es cul , 73 gd DX
> >> *Visita la nueva web de actividades EA*
> >> http://eaweb.ea4zk.es
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Yahoo! Groups Links

4927. ACOM 2000A for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-29 15:08:57 UTC
From: g3vhb
Topic: 4927 Message: 4927

Hi,

I have an Acom 2000A for sale , going MM and the Bats won't run run to an amp. Located Midlands UK.

73

Chris

4928. Filament voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-05-31 11:27:48 UTC
From: iz5asz
Topic: 4928 Message: 4928

Hi, I own an Acom 2000a.
The question is: the mains at my home is 230v.
The filament volt from the RCU is 12.3v and on transmit drop to 11.5v.
What will happen to the tubes considering that the nominal voltage of filament is 12.6v?
73, Massimo

4929. ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 12:19:32 UTC
From: moumoumousse
Topic: 4929 Message: 4929

This morning my ACOM 1000 is again out of order : "AUTOPROTECTION : SB26"

See previous tag ...

No more comments ...

Francis F6BLP

4930. RE: [acom-list] ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 12:27:00 UTC
From: Bob Naumann
Topic: 4929 Message: 4930

You have just had it repaired - no?

The repair should be under warranty. Return it to the repair shop.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of moumoumousse
Sent: Friday, June 01, 2012 7:20 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1000 out again

This morning my ACOM 1000 is again out of order : "AUTOPROTECTION : SB26"

See previous tag ...

No more comments ...

Francis F6BLP

Yahoo! Groups Links

4931. Re: ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 13:01:18 UTC
From: moumoumousse
Topic: 4929 Message: 4931

Yes... and after what else ?

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> You have just had it repaired - no?
>
> The repair should be under warranty. Return it to the repair shop.
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of moumoumousse
> Sent: Friday, June 01, 2012 7:20 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] ACOM 1000 out again
>
> This morning my ACOM 1000 is again out of order : "AUTOPROTECTION : SB26"
>
> See previous tag ...
>
> No more comments ...
>
> Francis F6BLP
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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4932. RE: [acom-list] Re: ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 13:06:04 UTC
From: Kees - pa7two
Topic: 4929 Message: 4932

Hi Francis,

What was the culprit in the previous repair?

Vy73, de Kees - PA7TWO

To: acom-list@yahoogroups.com
From: nosnip@...
Date: Fri, 1 Jun 2012 13:01:18 +0000
Subject: [acom-list] Re: ACOM 1000 out again

Yes... and after what else ?

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:

>

> You have just had it repaired - no?

>

> The repair should be under warranty. Return it to the repair shop.

>

>

>

> -----Original Message-----

> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

> Of moumoumousse

> Sent: Friday, June 01, 2012 7:20 AM

> To: acom-list@yahoogroups.com

> Subject: [acom-list] ACOM 1000 out again

>

> This morning my ACOM 1000 is again out of order : "AUTOPROTECTION : SB26"

>

> See previous tag ...

>

> No more comments ...

>

> Francis F6BLP

>

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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

4933. Re: ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 13:25:36 UTC
From: moumoumousse
Topic: 4929 Message: 4933

HI Kees

See message #4899

I'm disapointed with ACOM.

Best 73/DX

Francis

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Francis,
>
> What was the culprit in the previous repair?
>
>
> Vy73, de Kees - PA7TWO
>
> To: acom-list@yahoogroups.com
> From: nosnip@...
> Date: Fri, 1 Jun 2012 13:01:18 +0000
> Subject: [acom-list] Re: ACOM 1000 out again
>
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>
> Yes... and after what else ?
>
>
>
> --- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@> wrote:
>
> >
>
> > You have just had it repaired - no?
>
> >
>
> > The repair should be under warranty. Return it to the repair shop.
>
> >
>
> >
>
> >
>
> > -----Original Message-----
>
> > From: acom-list@...m [mailto:acom-list@yahoogroups.com] On Behalf
>
> > Of moumoumousse
>
> > Sent: Friday, June 01, 2012 7:20 AM
>
> > To: acom-list@yahoogroups.com
>
> > Subject: [acom-list] ACOM 1000 out again
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> >
>
> > This morning my ACOM 1000 is again out of order : "AUTOPROTECTION : SB26"
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> >
>
> > See previous tag ...
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> > No more comments ...
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> > Francis F6BLP
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> [Non-text portions of this message have been removed]
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4934. RE: [acom-list] Re: ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 14:00:41 UTC
From: Kees - pa7two
Topic: 4929 Message: 4934

Hi Francis,

I can imagine, yes.

However, as long as the faulty components will be replaced under warranty and amp is returned in a good working order, I would say "it can happen". Do bnot get me wrong, it is sad that it can happen, yes sure.

Let us know the progress of getting this issue fixed.

Vy 73, de Kees

To: acom-list@yahoogroups.com
From: nosnip@...
Date: Fri, 1 Jun 2012 13:25:36 +0000
Subject: [acom-list] Re: ACOM 1000 out again

HI Kees

See message #4899

I'm disapointed with ACOM.

Best 73/DX

Francis

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Hi Francis,

>

> What was the culprit in the previous repair?

>

>

> Vy73, de Kees - PA7TWO

>

> To: acom-list@yahoogroups.com

> From: nosnip@...

> Date: Fri, 1 Jun 2012 13:01:18 +0000

> Subject: [acom-list] Re: ACOM 1000 out again

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> Yes... and after what else ?

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> --- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@> wrote:

>

> >

>

> > You have just had it repaired - no?

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> > The repair should be under warranty. Return it to the repair shop.

>

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> > -----Original Message-----

>

> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

>

> > Of moumoumousse

>

> > Sent: Friday, June 01, 2012 7:20 AM

>

> > To: acom-list@yahoogroups.com

>

> > Subject: [acom-list] ACOM 1000 out again

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> >

>

> > This morning my ACOM 1000 is again out of order : "AUTOPROTECTION : SB26"

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>

> > See previous tag ...

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> > No more comments ...

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> > Francis F6BLP

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> > Yahoo! Groups Links

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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4935. Re: [acom-list] Re: ACOM 1000 out again

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-01 15:16:22 UTC
From: W5OV@w5ov.com
Topic: 4929 Message: 4935

SB26 indicates a plate current error during standby.

According to the error message, this does not seem to be related to the
problem you had previously with the power transformer.

> HI Kees
>
>
> See message #4899
>
> I'm disapointed with ACOM.
>
> Best 73/DX
>
> Francis
>
>
>
> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>>
>>
>> Hi Francis,
>>
>> What was the culprit in the previous repair?
>>
>>
>> Vy73, de Kees - PA7TWO
>>
>> To: acom-list@yahoogroups.com
>> From: nosnip@...
>> Date: Fri, 1 Jun 2012 13:01:18 +0000
>> Subject: [acom-list] Re: ACOM 1000 out again
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>> Yes... and after what else ?
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>> --- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@> wrote:
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>> >
>>
>> > You have just had it repaired - no?
>>
>> >
>>
>> > The repair should be under warranty. Return it to the repair shop.
>>
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>> > -----Original Message-----
>>
>> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf
>>
>> > Of moumoumousse
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>> > Sent: Friday, June 01, 2012 7:20 AM
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>> > To: acom-list@yahoogroups.com
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>> > Subject: [acom-list] ACOM 1000 out again
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>> > This morning my ACOM 1000 is again out of order : "AUTOPROTECTION :
>> SB26"

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>> > No more comments ...
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>> > Francis F6BLP
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>> [Non-text portions of this message have been removed]
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4936. Acom 2000A - two questions

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-08 08:24:55 UTC
From: Kjeld Holm
Topic: 4936 Message: 4936

Dear all,

I have two questions which I have not (yet) found an answer to in the manual.

1) Do I "wear out" my Acom 2000A more in the mode OPR than in the mode STB when sitting long hours waiting for the next DXCC entity to show up?

2) At which power level can Acom 2000A run "key down" forever? And how to calculate this? I see in the manual that transmitting with 1500 watt in x minutes is OK followed by a pause of x minutes. But I just wonder if one could at reduced power transmit forever.

Best regards

OZ1CCM Kjeld

KH-Translation ApS

Gyvelbakken 11

DK-4400 Kalundborg

Tel.: (+45) 30 49 39 64

Fax: (+45) 45 82 96 37

e-mail: <mailto:kh@...> kh@...

CVR (VAT) 29613443

Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>

[Non-text portions of this message have been removed]

4937. Re: Acom 2000A - two questions

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-09 20:48:54 UTC
From: Roger
Topic: 4936 Message: 4937

A 35 cfm fan can dissipate about 20 watts per 1 degree rise in Celsius degrees. Don't know what the standard fan is. But assuming this and say 20 degree ambient and 90 degree max air temp that's 1400 watts dissipation.

Efficiency drops when you run at lower power, other variables etc.

I'd be surprised if you couldn't run it at 600 watts continuous RTTY output but just a guess.

--- In acom-list@yahoogroups.com, "Kjeld Holm" <kh@...> wrote:
>
> Dear all,
>
>
>
> I have two questions which I have not (yet) found an answer to in the
> manual.
>
>
>
> 1) Do I "wear out" my Acom 2000A more in the mode OPR than in the mode
> STB when sitting long hours waiting for the next DXCC entity to show up?
>
> 2) At which power level can Acom 2000A run "key down" forever? And how
> to calculate this? I see in the manual that transmitting with 1500 watt in x
> minutes is OK followed by a pause of x minutes. But I just wonder if one
> could at reduced power transmit forever.
>
>
>
> Best regards
>
> OZ1CCM Kjeld
>
>
>
> KH-Translation ApS
>
> Gyvelbakken 11
>
> DK-4400 Kalundborg
>
> Tel.: (+45) 30 49 39 64
>
> Fax: (+45) 45 82 96 37
>

> e-mail: <mailto:kh@...> kh@...
>
> CVR (VAT) 29613443
>
> Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>
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> [Non-text portions of this message have been removed]
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4938. Re: [acom-list] Acom 2000A - two questions

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-10 06:01:40 UTC
From: Hans Remeeus
Topic: 4936 Message: 4938

Hello Kjeld,

/1) Do I "wear out" my Acom 2000A more in the mode OPR than in the mode STB when sitting long hours waiting for the next DXCC entity to show up?/

No, you will not *wear out* your 2000A when he is in the OPR mode for a long time. In that case my 8 years old 2000A would have died long ago... ;-)

/2) At which power level can Acom 2000A run "key down" forever? And how to calculate this? I see in the manual that transmitting with 1500 watt in x minutes is OK followed by a pause of x minutes. But I just wonder if one could at reduced power transmit forever./

Probably no one has ever tested this before. If the temperature of both the tubes remains acceptable IMHO it will be possible to key-down the amplifier for a very long time. And the 2000A has a very good protection; read the manual and in-depth details from Acom. You will probably understand that the lifetime of your tubes will decrease, when you operate the 2000A in this way. And, *forever* lasts nothing, not even you and I... ;-)

Good luck and 73, Hans.

Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 8-6-2012 10:24, Kjeld Holm schreef:
> Dear all,
>
>
>
> I have two questions which I have not (yet) found an answer to in the
> manual.
>
>
>
> 1) Do I "wear out" my Acom 2000A more in the mode OPR than in the mode
> STB when sitting long hours waiting for the next DXCC entity to show up?
>
> 2) At which power level can Acom 2000A run "key down" forever? And how
> to calculate this? I see in the manual that transmitting with 1500 watt in x
> minutes is OK followed by a pause of x minutes. But I just wonder if one
> could at reduced power transmit forever.
>
>
>

> Best regards
>
> OZ1CCM Kjeld
>
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> KH-Translation ApS
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> Gyvelbakken 11
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> DK-4400 Kalundborg
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> Tel.: (+45) 30 49 39 64
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> Fax: (+45) 45 82 96 37
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> e-mail:<mailto:kh@...> kh@...
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> CVR (VAT) 29613443
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> Homepage: www.kh-translation.dk<http://www.kh-translation.dk/>
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4939. Re: Acom 2000A - two questions

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-10 17:38:08 UTC
From: Norman
Topic: 4936 Message: 4939

The max key down continuous power limit is an interesting question that probably can not be proven short of doing such a life test which would likely be destructive depending on how long is 'long'.

But some comparative analysis may give a clue. One case would be to compare the near equivalent models of ALPHA amplifiers who regularly advertize a "Brick on the Key" performance. There is a historical relationship between Alpha and Acom and the component and design execution appear virtually the same even now. So I think we could assume air flow and pressures would use similar design criteria and if the blower specs on an ACOM are comparable t an ALPHA and the tube choice is of the same class you would have the same results as an ALPHA, put a brick on the key and forget it.

Also consider most tubes used in amateur applications are/were used commercially in FM or AM transmitters, Commercial two-way repeaters, and other industrial applications who regularly ran in continuous duty conditions. And we hams often used those "pulls" to build our amplifiers with good results.

What the likely failures in a long time key down application. The tube overheating because of inadequate air flow a key one, but don't forget a under designed plate transformer that also can overheat and have an insulation breakdown, then there are the RF coupling capacitors that can be damaged by overheating as well which in turn cause a transformer to fail. A lot of assumptions have to be made about equivalence in components to the ALPHA model, but I think that maybe both companies may have gain some knowledge that would tend create a high degree of equivalence.

However I would not subject my ACOM 2000A to such a test as the risk is too high, and if it survived a long time key down test that information is of no value as it would not effect how I use the amp in amateur service.

The first question how ever has more interest as it is a common situation that the amp is in standby for many more hours then in the transmit state. Although there are many components with various voltages applied, the tubes primary wear out element would be filament/cathode life. Anytime the filament is energized there as to be some degree of depletion going on. But again commercial service would suggest there is normally a very long life to be expected. In fact it the other argument that turning filaments on and off is more damaging to tube life then continuous operation. Another age old argument, leave the equipment on continuously or turn it off at the end of use. I am sure there is statistical data to support one or both of those arguments.

Norm W4QN
==========

--- In acom-list@yahoogroups.com, "Kjeld Holm" <kh@...> wrote:
>
> Dear all,
>
>

>
> I have two questions which I have not (yet) found an answer to in the manual.
>
> 1) Do I "wear out" my Acom 2000A more in the mode OPR than in the mode STB when sitting long hours waiting for the next DXCC entity to show up?
>
> 2) At which power level can Acom 2000A run "key down" forever? And how to calculate this? I see in the manual that transmitting with 1500 watt in X minutes is OK followed by a pause of x minutes. But I just wonder if one could at reduced power transmit forever.
>
>
> Best regards
> OZ1CCM Kjeld
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>
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> Gyvelbakken 11
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> DK-4400 Kalundborg
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> Tel.: (+45) 30 49 39 64
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> Fax: (+45) 45 82 96 37
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> e-mail: <mailto:kh@...> kh@...
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> CVR (VAT) 29613443
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> Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>
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4940. Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 10:46:54 UTC
From: HectorP
Topic: 1162 Message: 4940

Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks

Hector
AD4C

4941. RE: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 11:54:28 UTC
From: Bob Naumann
Topic: 1162 Message: 4941

Hector,

The Acom 1010 is not supposed to be run at more than 800w output.

You might be able to squeeze some more out if you run it on 240, but you'd be violating the manufacturer's recommendation for the amplifier and no one can tell if you're running 800w or 900w anyway.

If you want more power, you might want to upgrade to a 1000 or perhaps a new 1500. We expect to be shipping 1500's right around the 4th of July.

Also, make sure you do not have the internal tuner turned on in your K3 - this can reduce your drive level too,

And never, never use an internal radio tuner into an amplifier's input. This can damage an amplifier's input circuits.

73,

Bob W5OV
Array Solutions
Acom North America Dealer

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of HectorP
Sent: Thursday, June 14, 2012 5:47 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1010

Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks

Hector
AD4C

Yahoo! Groups Links

4942. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 12:14:45 UTC
From: George K5KG
Topic: 1162 Message: 4942

I run mine at 600 - 700 watts. Not more. I advise you do the same.
73 George K5KG

Sent from my iPhone

On Jun 14, 2012, at 6:46, "HectorP" <ad4c2006@...> wrote:

> Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks
>
> Hector
> AD4C
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> Yahoo! Groups Links
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4943. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 12:15:26 UTC
From: George K5KG
Topic: 1162 Message: 4943

I also use 240 vac

Sent from my iPhone

On Jun 14, 2012, at 6:46, "HectorP" <ad4c2006@...> wrote:

> Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks
>
> Hector
> AD4C
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> Yahoo! Groups Links
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4944. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 12:46:16 UTC
From: Chris Wilson
Topic: 1162 Message: 4944

>
> Hector,

> The Acom 1010 is not supposed to be run at more than 800w output.

> You might be able to squeeze some more out if you run it on 240, but you'd
> be violating the manufacturer's recommendation for the amplifier and no one
> can tell if you're running 800w or 900w anyway.

> If you want more power, you might want to upgrade to a 1000 or perhaps a new
> 1500. We expect to be shipping 1500's right around the 4th of July.

> Also, make sure you do not have the internal tuner turned on in your K3 -
> this can reduce your drive level too,

> And never, never use an internal radio tuner into an amplifier's input. This
> can damage an amplifier's input circuits.

> 73,

> Bob W5OV
> Array Solutions
> Acom North America Dealer

I am glad I have seen this. I am about to invest in a new transceiver,
and it will be used with some form of linear amp. Some transceivers
offer an internal ATU as an extra cost option, some Ten-Tec's for
example. If I intend to use a linear is this a pointless option, and I
could save money by using my existing, if elderly, Yaesu FC-902 ATU on
the occasions I want to run without the linear? Has pricing been
published on the 1500 linear yet Bob? Thanks.

14/06/2012 13:43

--
Best Regards,
Chris Wilson.

4945. RE: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 12:50:58 UTC
From: Bob Naumann
Topic: 1162 Message: 4945

Sometimes, having the internal tuner is convenient - so you don't need an external tuner for those cases when you run without an amp and need a tuner.

The 1500 is priced @ $4750 and is now approved by the FCC for sale in the USA.

We will get our first shipment at the end of June/ beginning of July.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Chris Wilson
Sent: Thursday, June 14, 2012 7:46 AM
To: Bob Naumann
Subject: Re: [acom-list] Acom 1010

>
> Hector,

> The Acom 1010 is not supposed to be run at more than 800w output.

> You might be able to squeeze some more out if you run it on 240, but you'd
> be violating the manufacturer's recommendation for the amplifier and no one
> can tell if you're running 800w or 900w anyway.

> If you want more power, you might want to upgrade to a 1000 or perhaps a new
> 1500. We expect to be shipping 1500's right around the 4th of July.

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> And never, never use an internal radio tuner into an amplifier's input. This
> can damage an amplifier's input circuits.

> 73,

> Bob W5OV
> Array Solutions
> Acom North America Dealer

I am glad I have seen this. I am about to invest in a new transceiver, and it will be used with some form of linear amp. Some transceivers offer an internal ATU as an extra cost option, some Ten-Tec's for example. If I intend to use a linear is this a pointless option, and I could save money by using my existing, if elderly, Yaesu FC-902 ATU on the occasions I want to run without the linear? Has pricing been

published on the 1500 linear yet Bob? Thanks.

14/06/2012 13:43

--
Best Regards,
Chris Wilson.

Yahoo! Groups Links

4946. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 14:13:35 UTC
From: kg4lru@aol.com
Topic: 1162 Message: 4946

Hector

Most amp will vary with the band your using 10 meters will be your lowest output and 80 meters or 40 should be 900 . I run both 2000A and 1000 and these amps always do better on the low bands.
73
Phil

In a message dated 6/14/2012 6:46:59 A.M. Eastern Daylight Time, ad4c2006@gmail.com writes:

Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks

Hector
AD4C

[Non-text portions of this message have been removed]

4947. RE: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 14:59:48 UTC
From: Kees - pa7two
Topic: 1162 Message: 4947

Correct statement Phil. And the rated output is to me measured on the 20m band according to Acom.

Vy 73, de Kees - PA7TWO - M5TWO

To: acom-list@yahoogroups.com
From: kg4lru@...
Date: Thu, 14 Jun 2012 10:13:35 -0400
Subject: Re: [acom-list] Acom 1010

Hector

Most amp will vary with the band your using 10 meters will be your lowest

output and 80 meters or 40 should be 900 . I run both 2000A and 1000 and

these amps always do better on the low bands.

73

Phil

In a message dated 6/14/2012 6:46:59 A.M. Eastern Daylight Time,

ad4c2006@... writes:

Hi guys, does anyone have an Acom 1010 and wants to share experiences with

it? Mine is just one week old and I am very pleased with it although I

can't get more than 800W PEP. I have seen some youtube videos where all of them

show over 900W with 85W in. Maybe its because I am running it at 120VAC

and the plate voltage drop too much,anyway there is no way to read that

voltage trough the LED's. Your advices and suggestions will be welcome, thanks

Hector

AD4C

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4948. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 15:34:45 UTC
From: Mel Whitten
Topic: 1162 Message: 4948

Bob,

On another subject but related to delivery.. any further info on the new 2000A controller availability?

Mel
k0pfx

----- Original Message -----
From: Bob Naumann
To: acom-list@yahoogroups.com
Sent: Thursday, June 14, 2012 7:50 AM
Subject: RE: [acom-list] Acom 1010

Sometimes, having the internal tuner is convenient - so you don't need an external tuner for those cases when you run without an amp and need a tuner.

The 1500 is priced @ $4750 and is now approved by the FCC for sale in the USA.

We will get our first shipment at the end of June/ beginning of July.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Chris Wilson
Sent: Thursday, June 14, 2012 7:46 AM
To: Bob Naumann
Subject: Re: [acom-list] Acom 1010

>
> Hector,

> The Acom 1010 is not supposed to be run at more than 800w output.

> You might be able to squeeze some more out if you run it on 240, but you'd
> be violating the manufacturer's recommendation for the amplifier and no one
> can tell if you're running 800w or 900w anyway.

> If you want more power, you might want to upgrade to a 1000 or perhaps a new
> 1500. We expect to be shipping 1500's right around the 4th of July.

> Also, make sure you do not have the internal tuner turned on in your K3 -
> this can reduce your drive level too,

> And never, never use an internal radio tuner into an amplifier's input. This

> can damage an amplifier's input circuits.

> 73,

> Bob W5OV
> Array Solutions
> Acom North America Dealer

I am glad I have seen this. I am about to invest in a new transceiver, and it will be used with some form of linear amp. Some transceivers offer an internal ATU as an extra cost option, some Ten-Tec's for example. If I intend to use a linear is this a pointless option, and I could save money by using my existing, if elderly, Yaesu FC-902 ATU on the occasions I want to run without the linear? Has pricing been published on the 1500 linear yet Bob? Thanks.

14/06/2012 13:43

--
Best Regards,
Chris Wilson.

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4949. RE: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 15:49:48 UTC
From: Ad4c2006
Topic: 1162 Message: 4949

Good morning dear Bob and thanks for your advice. I was just curious but actually I am driving it with just 65 wts from the K3 and I see between 700 and 750 WPEP with my voice and for CW I drive it with 50W to see around 500 out. I have been thinking in the new 1500 but not for now. I still need to run that 240 V line to the shack. I am going to enjoy this very quite 1010 till next year.
73

Hector

From my Android phone on T-Mobile. The first nationwide 4G network.

Bob Naumann <W5OV@...> wrote:

Hector,

The Acom 1010 is not supposed to be run at more than 800w output.

You might be able to squeeze some more out if you run it on 240, but you'd be violating the manufacturer's recommendation for the amplifier and no one can tell if you're running 800w or 900w anyway.

If you want more power, you might want to upgrade to a 1000 or perhaps a new 1500. We expect to be shipping 1500's right around the 4th of July.

Also, make sure you do not have the internal tuner turned on in your K3 - this can reduce your drive level too,

And never, never use an internal radio tuner into an amplifier's input. This can damage an amplifier's input circuits.

73,

Bob W5OV
Array Solutions
Acom North America Dealer

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of HectorP
Sent: Thursday, June 14, 2012 5:47 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1010

Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage

trough the LED's. Your advices and suggestions will be welcome, thanks

Hector
AD4C

Yahoo! Groups Links

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4950. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 15:50:47 UTC
From: Ad4c2006
Topic: 1162 Message: 4950

Thanks. Advice taken.

From my Android phone on T-Mobile. The first nationwide 4G network.

George K5KG <georgek5kg@...> wrote:

I run mine at 600 - 700 watts. Not more. I advise you do the same.
73 George K5KG

Sent from my iPhone

On Jun 14, 2012, at 6:46, "HectorP" <ad4c2006@...> wrote:

> Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks
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> Hector
> AD4C
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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4951. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 15:51:32 UTC
From: Ad4c2006
Topic: 1162 Message: 4951

Yes I am in the process to run that line.

From my Android phone on T-Mobile. The first nationwide 4G network.

George K5KG <georgek5kg@...> wrote:

I also use 240 vac

Sent from my iPhone

On Jun 14, 2012, at 6:46, "HectorP" <ad4c2006@...> wrote:

> Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks
>
> Hector
> AD4C
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[Non-text portions of this message have been removed]

4952. RE: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 15:55:06 UTC
From: Ad4c2006
Topic: 1162 Message: 4952

This 1010 has a perfect input impedance at 50 ohms with the carbon resistor than I dont need to use the radio tuner in any band.

From my Android phone on T-Mobile. The first nationwide 4G network.

Bob Naumann <W5OV@...> wrote:

Sometimes, having the internal tuner is convenient - so you don't need an external tuner for those cases when you run without an amp and need a tuner.

The 1500 is priced @ $4750 and is now approved by the FCC for sale in the USA.

We will get our first shipment at the end of June/ beginning of July.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Chris Wilson
Sent: Thursday, June 14, 2012 7:46 AM
To: Bob Naumann
Subject: Re: [acom-list] Acom 1010

>
> Hector,

> The Acom 1010 is not supposed to be run at more than 800w output.

> You might be able to squeeze some more out if you run it on 240, but you'd
> be violating the manufacturer's recommendation for the amplifier and no one
> can tell if you're running 800w or 900w anyway.

> If you want more power, you might want to upgrade to a 1000 or perhaps a new
> 1500. We expect to be shipping 1500's right around the 4th of July.

> Also, make sure you do not have the internal tuner turned on in your K3 -
> this can reduce your drive level too,

> And never, never use an internal radio tuner into an amplifier's input. This
> can damage an amplifier's input circuits.

> 73,

> Bob W5OV
> Array Solutions
> Acom North America Dealer

I am glad I have seen this. I am about to invest in a new transceiver, and it will be used with some form of linear amp. Some transceivers offer an internal ATU as an extra cost option, some Ten-Tec's for example. If I intend to use a linear is this a pointless option, and I could save money by using my existing, if elderly, Yaesu FC-902 ATU on the occasions I want to run without the linear? Has pricing been published on the 1500 linear yet Bob? Thanks.

14/06/2012 13:43

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Best Regards,
Chris Wilson.

Yahoo! Groups Links

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4953. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 16:20:45 UTC
From: W5OV@w5ov.com
Topic: 1162 Message: 4953

The new 2000A RCU is in final testing - we had one in Dayton - and we
expect them to be out later this year.

Pricing is expected to be in the $900 range.

> Bob,
>
> On another subject but related to delivery.. any further info on the new
> 2000A controller availability?
>
> Mel
> k0pfx
>
> ----- Original Message -----
> From: Bob Naumann
> To: acom-list@yahoogroups.com
> Sent: Thursday, June 14, 2012 7:50 AM
> Subject: RE: [acom-list] Acom 1010
>
>
>
> Sometimes, having the internal tuner is convenient - so you don't need
> an
> external tuner for those cases when you run without an amp and need a
> tuner.
>
> The 1500 is priced @ $4750 and is now approved by the FCC for sale in
> the
> USA.
>
> We will get our first shipment at the end of June/ beginning of July.
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Chris Wilson
> Sent: Thursday, June 14, 2012 7:46 AM
> To: Bob Naumann
> Subject: Re: [acom-list] Acom 1010
>
> >
> > Hector,
>
> > The Acom 1010 is not supposed to be run at more than 800w output.
>

> > You might be able to squeeze some more out if you run it on 240, but
> you'd
> > be violating the manufacturer's recommendation for the amplifier and
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> one
> > can tell if you're running 800w or 900w anyway.
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> > If you want more power, you might want to upgrade to a 1000 or perhaps
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> > this can reduce your drive level too,
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> > And never, never use an internal radio tuner into an amplifier's
> input.
> This
> > can damage an amplifier's input circuits.
>
> > 73,
>
> > Bob W5OV
> > Array Solutions
> > Acom North America Dealer
>
> I am glad I have seen this. I am about to invest in a new transceiver,
> and it will be used with some form of linear amp. Some transceivers
> offer an internal ATU as an extra cost option, some Ten-Tec's for
> example. If I intend to use a linear is this a pointless option, and I
> could save money by using my existing, if elderly, Yaesu FC-902 ATU on
> the occasions I want to run without the linear? Has pricing been
> published on the 1500 linear yet Bob? Thanks.
>
> 14/06/2012 13:43
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> --
> Best Regards,
> Chris Wilson.
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4954. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 16:25:19 UTC
From: Jim
Topic: 1162 Message: 4954

Bob what do I gain by replacing my current RCU with the new optional one???

KE4WY Jim

Sent from my Ipod

On Jun 14, 2012, at 12:20 PM, W5OV@... wrote:

> The new 2000A RCU is in final testing - we had one in Dayton - and we
> expect them to be out later this year.
>
> Pricing is expected to be in the $900 range.
>
>
>> Bob,
>>
>> On another subject but related to delivery.. any further info on the new
>> 2000A controller availability?
>>
>> Mel
>> k0pfx
>>
>> ----- Original Message -----
>> From: Bob Naumann
>> To: acom-list@yahoogroups.com
>> Sent: Thursday, June 14, 2012 7:50 AM
>> Subject: RE: [acom-list] Acom 1010
>>
>>
>>
>> Sometimes, having the internal tuner is convenient - so you don't need
>> an
>> external tuner for those cases when you run without an amp and need a
>> tuner.
>>
>> The 1500 is priced @ $4750 and is now approved by the FCC for sale in
>> the
>> USA.
>>
>> We will get our first shipment at the end of June/ beginning of July.
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf
>> Of Chris Wilson
>> Sent: Thursday, June 14, 2012 7:46 AM

>> To: Bob Naumann
>> Subject: Re: [acom-list] Acom 1010
>>
>>>
>>> Hector,
>>
>>> The Acom 1010 is not supposed to be run at more than 800w output.
>>
>>> You might be able to squeeze some more out if you run it on 240, but
>> you'd
>>> be violating the manufacturer's recommendation for the amplifier and
>> no
>> one
>>> can tell if you're running 800w or 900w anyway.
>>
>>> If you want more power, you might want to upgrade to a 1000 or perhaps
>> a
>> new
>>> 1500. We expect to be shipping 1500's right around the 4th of July.
>>
>>> Also, make sure you do not have the internal tuner turned on in your
>> K3 -
>>> this can reduce your drive level too,
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>>> And never, never use an internal radio tuner into an amplifier's
>> input.
>> This
>>> can damage an amplifier's input circuits.
>>
>>> 73,
>>
>>> Bob W5OV
>>> Array Solutions
>>> Acom North America Dealer
>>
>> I am glad I have seen this. I am about to invest in a new transceiver,
>> and it will be used with some form of linear amp. Some transceivers
>> offer an internal ATU as an extra cost option, some Ten-Tec's for
>> example. If I intend to use a linear is this a pointless option, and I
>> could save money by using my existing, if elderly, Yaesu FC-902 ATU on
>> the occasions I want to run without the linear? Has pricing been
>> published on the 1500 linear yet Bob? Thanks.
>>
>> 14/06/2012 13:43
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>> --
>> Best Regards,
>> Chris Wilson.
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4955. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 16:59:59 UTC
From: W5OV@w5ov.com
Topic: 1162 Message: 4955

Well, that will be the question most asked.

Here we go:

1) The new RCU allows direct integration with your radio (CIV, CAT, etc.) for tracking as you tune instead of requiring you to transmit to QSY the amp.

2) All connections (except RF) will go to the new RCU and not to the back of the amplifier. This will make remote mounted use of the 2000A a bit simpler from a wiring perspective.

3) Displays many parameters at one time on the beautiful full-color TFT screen so you do not have to navigate numerous menus to get the information you may need.

You can see it here:

http://www.arraysolutions.com/Acom/whatsnew.htm

So, as you turn the dial on your radio, you'll see the frequency updated on the new RCU and you'll hear the amp re-tuning as you cross the band segment boundaries without requiring you to transmit. This will also make the use of the Acom coax switch more sensible as it will follow the radio instead of switching after you transmit on the "wrong" antenna to send the amp to the new band, and at the same time switch to the correct antenna.

> Bob what do I gain by replacing my current RCU with the new optional
> one???
>
> KE4WY Jim
>
> Sent from my Ipod
>
>
>
> On Jun 14, 2012, at 12:20 PM, W5OV@... wrote:
>
>> The new 2000A RCU is in final testing - we had one in Dayton - and we
>> expect them to be out later this year.
>>
>> Pricing is expected to be in the $900 range.
>>
>>
>>> Bob,
>>>
>>> On another subject but related to delivery.. any further info on the

>>> new
>>> 2000A controller availability?
>>>
>>> Mel
>>> k0pfx
>>>
>>> ----- Original Message -----
>>> From: Bob Naumann
>>> To: acom-list@yahoogroups.com
>>> Sent: Thursday, June 14, 2012 7:50 AM
>>> Subject: RE: [acom-list] Acom 1010
>>>
>>>
>>>
>>> Sometimes, having the internal tuner is convenient - so you don't need
>>> an
>>> external tuner for those cases when you run without an amp and need a
>>> tuner.
>>>
>>> The 1500 is priced @ $4750 and is now approved by the FCC for sale in
>>> the
>>> USA.
>>>
>>> We will get our first shipment at the end of June/ beginning of July.
>>>
>>> -----Original Message-----
>>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>>> Behalf
>>> Of Chris Wilson
>>> Sent: Thursday, June 14, 2012 7:46 AM
>>> To: Bob Naumann
>>> Subject: Re: [acom-list] Acom 1010
>>>
>>>>
>>>> Hector,
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>>>> The Acom 1010 is not supposed to be run at more than 800w output.
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>>>> 1500. We expect to be shipping 1500's right around the 4th of July.
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>>> K3 -
>>>> this can reduce your drive level too,
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>>>> And never, never use an internal radio tuner into an amplifier's
>>> input.
>>> This
>>>> can damage an amplifier's input circuits.
>>>
>>>> 73,
>>>
>>>> Bob W5OV
>>>> Array Solutions
>>>> Acom North America Dealer
>>>
>>> I am glad I have seen this. I am about to invest in a new transceiver,
>>> and it will be used with some form of linear amp. Some transceivers
>>> offer an internal ATU as an extra cost option, some Ten-Tec's for
>>> example. If I intend to use a linear is this a pointless option, and I
>>> could save money by using my existing, if elderly, Yaesu FC-902 ATU on
>>> the occasions I want to run without the linear? Has pricing been
>>> published on the 1500 linear yet Bob? Thanks.
>>>
>>> 14/06/2012 13:43
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>>> --
>>> Best Regards,
>>> Chris Wilson.
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4956. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 19:07:13 UTC
From: Mel Whitten
Topic: 1162 Message: 4956

Ok Thanks... well, I visited your big booth but did not see it. Too much to see there. :-)
Mel

----- Original Message -----
From: W5OV@...
To: acom-list@yahoogroups.com
Sent: Thursday, June 14, 2012 11:20 AM
Subject: Re: [acom-list] Acom 1010

The new 2000A RCU is in final testing - we had one in Dayton - and we
expect them to be out later this year.

Pricing is expected to be in the $900 range.

> Bob,
>
> On another subject but related to delivery.. any further info on the new
> 2000A controller availability?
>
> Mel
> k0pfx
>
> ----- Original Message -----
> From: Bob Naumann
> To: acom-list@yahoogroups.com
> Sent: Thursday, June 14, 2012 7:50 AM
> Subject: RE: [acom-list] Acom 1010
>
>
>
> Sometimes, having the internal tuner is convenient - so you don't need
> an
> external tuner for those cases when you run without an amp and need a
> tuner.
>
> The 1500 is priced @ $4750 and is now approved by the FCC for sale in
> the
> USA.
>
> We will get our first shipment at the end of June/ beginning of July.
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Chris Wilson
> Sent: Thursday, June 14, 2012 7:46 AM

> To: Bob Naumann
> Subject: Re: [acom-list] Acom 1010
>
> >
> > Hector,
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> > The Acom 1010 is not supposed to be run at more than 800w output.
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> > You might be able to squeeze some more out if you run it on 240, but
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> > can damage an amplifier's input circuits.
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> > 73,
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> > Bob W5OV
> > Array Solutions
> > Acom North America Dealer
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> and it will be used with some form of linear amp. Some transceivers
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> the occasions I want to run without the linear? Has pricing been
> published on the 1500 linear yet Bob? Thanks.
>
> 14/06/2012 13:43
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> --
> Best Regards,
> Chris Wilson.
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4957. Re: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 19:10:21 UTC
From: W5OV@w5ov.com
Topic: 1162 Message: 4957

That's too bad - the Acom 2000A we had operating in the booth was using the new RCU - it's really very nice looking.

I think it's going to be very popular as it does improve the 2000A - and it will work with any vintage 2000A - even the oldest ones - like mine.

> Ok Thanks... well, I visited your big booth but did not see it. Too much
> to see there. :-)
> Mel
>
> ----- Original Message -----
> From: W5OV@...
> To: acom-list@yahoogroups.com
> Sent: Thursday, June 14, 2012 11:20 AM
> Subject: Re: [acom-list] Acom 1010
>
>
>
> The new 2000A RCU is in final testing - we had one in Dayton - and we
> expect them to be out later this year.
>
> Pricing is expected to be in the $900 range.
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> > Bob,
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> > On another subject but related to delivery.. any further info on the
> new
> > 2000A controller availability?
> >
> > Mel
> > k0pfx
> >
> > ----- Original Message -----
> > From: Bob Naumann
> > To: acom-list@yahoogroups.com
> > Sent: Thursday, June 14, 2012 7:50 AM
> > Subject: RE: [acom-list] Acom 1010
> >
> >
> >
> > Sometimes, having the internal tuner is convenient - so you don't need
> > an
> > external tuner for those cases when you run without an amp and need a
> > tuner.
> >

> > The 1500 is priced @ $4750 and is now approved by the FCC for sale in
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> > USA.
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> > We will get our first shipment at the end of June/ beginning of July.
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> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of Chris Wilson
> > Sent: Thursday, June 14, 2012 7:46 AM
> > To: Bob Naumann
> > Subject: Re: [acom-list] Acom 1010
> >
> > >
> > > Hector,
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> > > The Acom 1010 is not supposed to be run at more than 800w output.
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> > > You might be able to squeeze some more out if you run it on 240, but
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> >
> > > 73,
> >
> > > Bob W5OV
> > > Array Solutions
> > > Acom North America Dealer
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> > I am glad I have seen this. I am about to invest in a new transceiver,
> > and it will be used with some form of linear amp. Some transceivers
> > offer an internal ATU as an extra cost option, some Ten-Tec's for

> > example. If I intend to use a linear is this a pointless option, and I
> > could save money by using my existing, if elderly, Yaesu FC-902 ATU on
> > the occasions I want to run without the linear? Has pricing been
> > published on the 1500 linear yet Bob? Thanks.
> >
> > 14/06/2012 13:43
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> > --
> > Best Regards,
> > Chris Wilson.
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4958. RE: [acom-list] Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-14 19:07:10 UTC
From: Ron N0AT
Topic: 1162 Message: 4958

Hector,

I have been using an Acom 1010 for six years. I have found it difficult to obtain rated output when running it at 120 VAC. It likes to be run with 240 volt mains voltage.

I take the amplifier with me on my contest DXpeditions. When I□m forced to run it at 120 VAC, I keep the output at 600W. Otherwise I run it at 700 watts.

73 de Ron NØAT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of HectorP
Sent: Thursday, June 14, 2012 05:47
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1010

Hi guys, does anyone have an Acom 1010 and wants to share experiences with it? Mine is just one week old and I am very pleased with it although I can't get more than 800W PEP. I have seen some youtube videos where all of them show over 900W with 85W in. Maybe its because I am running it at 120VAC and the plate voltage drop too much,anyway there is no way to read that voltage trough the LED's. Your advices and suggestions will be welcome, thanks

Hector
AD4C

[Non-text portions of this message have been removed]

4959. Successful replacement of GU74b in Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-15 15:34:43 UTC
From: John
Topic: 4959 Message: 4959

My Acom 1000 is roughly six years old. About six months ago the maximum output power dropped to about 700 watts, over a period of several months. With the encouragement of Charlie, K2BU, I contacted Array Solutions and discussed with Bob the field replacement of the GU74b final. Array Solutions promptly shipped me a replacment tube, and following the instuctions I had found on the WEB, I swapped the old tube with the new one.

While holding my breath I applied power, waited about ten minutes and then applied RF to the input. The amplifier now gives me the full 1000+ watts output. The expression "it was a piece of cake" certainly applied to the entire operation.

John, N9JG

4960. Re: [acom-list] Successful replacement of GU74b in Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-15 16:54:30 UTC
From: Jim
Topic: 4959 Message: 4960

John, thats great. A friend near DC has a 2000A and his results do far have been unsucessful. He sent it to the service center in Mass. By Fedex on April 2nd and still has not received it back yet. He just phoned me and said they have replaced the tubes but when turned on it shuts off and he was told they have not figured out whats wrong with it yet. He added that he has called them several times and has been told they would call him back but they never do. He always has to initiate the call.

This same amp was repaired by Acom Ma. a little over a year ago and the story was different, a quick two day turn.

He sure is not a happy camper.

I had told him to sent it to Array Solutions for repair. I think he now wishes he had sent it to them.

KE4WY Jim

Sent from my Ipod

On Jun 15, 2012, at 11:34 AM, "John" <john@...> wrote:

> My Acom 1000 is roughly six years old. About six months ago the maximum output power dropped to about 700 watts, over a period of several months. With the encouragement of Charlie, K2BU, I contacted Array Solutions and discussed with Bob the field replacement of the GU74b final. Array Solutions promptly shipped me a replacment tube, and following the instuctions I had found on the WEB, I swapped the old tube with the new one.
>
> While holding my breath I applied power, waited about ten minutes and then applied RF to the input. The amplifier now gives me the full 1000+ watts output. The expression "it was a piece of cake" certainly applied to the entire operation.
>
> John, N9JG
>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>
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4961. RE: [acom-list] Successful replacement of GU74b in Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-15 18:02:48 UTC
From: Kees - pa7two
Topic: 4959 Message: 4961

Hi John,

Make sure you re-adjust the IDLE current!

Vy 73, de Kees - PA7TWO - M5TWO

To: acom-list@yahoogroups.com
From: john@...
Date: Fri, 15 Jun 2012 15:34:43 +0000
Subject: [acom-list] Successful replacement of GU74b in Acom 1000

My Acom 1000 is roughly six years old. About six months ago the maximum output power dropped to about 700 watts, over a period of several months. With the encouragement of Charlie, K2BU, I contacted Array Solutions and discussed with Bob the field replacement of the GU74b final. Array Solutions promptly shipped me a replacment tube, and following the instuctions I had found on the WEB, I swapped the old tube with the new one.

While holding my breath I applied power, waited about ten minutes and then applied RF to the input. The amplifier now gives me the full 1000+ watts output. The expression "it was a piece of cake" certainly applied to the entire operation.

John, N9JG

[Non-text portions of this message have been removed]

4962. 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 16:44:32 UTC
From: k8mab
Topic: 4962 Message: 4962

Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...

4963. Re: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 17:04:40 UTC
From: Henry Ingwersen
Topic: 4962 Message: 4963

My recommendation: PA0TWO (OK in QRZ). Good price, reliable source.

Henry, KT1J

From: k8mab
Sent: Saturday, June 16, 2012 12:44 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 4cx800a

Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2180 / Virus Database: 2433/5073 - Release Date: 06/16/12

[Non-text portions of this message have been removed]

4964. Re: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 17:49:29 UTC
From: Fernando EC1CT
Topic: 4962 Message: 4964

Try Ron at vinecom UK. He sells it fully tested and guaranteed. 73
www.vinecom.co.uk
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: k8mab
Sent: Saturday, June 16, 2012 6:44 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 4cx800a

Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2012.0.2180 / Base de datos de virus: 2433/5073 - Fecha de publicación: 06/16/12

[Non-text portions of this message have been removed]

4965. Re: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 18:19:10 UTC
From: IVAN
Topic: 4962 Message: 4965

Where is the e-mail, thanks !!!
73´s Ivan EA8YG

El 16/06/2012 18:04, Henry Ingwersen escribió:
>
> My recommendation: PA0TWO (OK in QRZ). Good price, reliable source.
>
> Henry, KT1J
>
> From: k8mab
> Sent: Saturday, June 16, 2012 12:44 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] 4cx800a
>
> Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2180 / Virus Database: 2433/5073 - Release Date: 06/16/12
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

4966. RE: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 19:38:42 UTC
From: Kees - pa7two
Topic: 4962 Message: 4966

Hi Ivan,

Now you have my email address :-) Feel free to contact me for some spare GU74B tubes.

Vy 73, de Kees - PA7TWO - M5TWO

To: acom-list@yahoogroups.com
From: ea8yg@...
Date: Sat, 16 Jun 2012 19:19:10 +0100
Subject: Re: [acom-list] 4cx800a

Where is the e-mail, thanks !!!

73?s Ivan EA8YG

El 16/06/2012 18:04, Henry Ingwersen escribi?:

>

> My recommendation: PA0TWO (OK in QRZ). Good price, reliable source.

>

> Henry, KT1J

>

> From: k8mab

> Sent: Saturday, June 16, 2012 12:44 PM

> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> Subject: [acom-list] 4cx800a

>

> Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...

>

> No virus found in this message.

> Checked by AVG - www.avg.com

> Version: 2012.0.2180 / Virus Database: 2433/5073 - Release Date: 06/16/12

>

> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

4967. Re: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 20:08:25 UTC
From: FERNANDO CÉSAR LAGUARDIA
Topic: 4962 Message: 4967

Hi Folks! I am from Brazil and buy 4 tubes with this guy:
ut5jcw@...

Serge sell Tubes with nice price and very nice guy! I recomend! The Tubes are perfect and delivery for me on Dayton hamfest.

73 for all PY4BZ-FERNANDO

De: Kees - pa7two <pa7two@...>
Para: ACOM Reflector site <acom-list@yahoogroups.com>; ea8yg@...
Enviadas: Sábado, 16 de Junho de 2012 16:38
Assunto: RE: [acom-list] 4cx800a

Hi Ivan,

Now you have my email address :-) Feel free to contact me for some spare GU74B tubes.

Vy 73, de Kees - PA7TWO - M5TWO

To: acom-list@yahoogroups.com
From: ea8yg@siem.es
Date: Sat, 16 Jun 2012 19:19:10 +0100
Subject: Re: [acom-list] 4cx800a

Where is the e-mail, thanks !!!

73´s Ivan EA8YG

El 16/06/2012 18:04, Henry Ingwersen escribió:

>

> My recommendation: PA0TWO (OK in QRZ). Good price, reliable source.

>

> Henry, KT1J

>

> From: k8mab

> Sent: Saturday, June 16, 2012 12:44 PM

> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> Subject: [acom-list] 4cx800a

>

> Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...

>

> No virus found in this message.

> Checked by AVG - www.avg.com

> Version: 2012.0.2180 / Virus Database: 2433/5073 - Release Date: 06/16/12

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4968. Re: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 20:46:09 UTC
From: Joel Kornreich
Topic: 4962 Message: 4968

Only place is VINE ANTENNAS in the UK. He tests each one with a test box
he showed on the web. He also sold hundreds of these tested units.
Ask for Ron..

Joel, K2QBV

On Sat, Jun 16, 2012 at 1:04 PM, Henry Ingwersen <kt1j@madriver.com> wrote:

> **
>
>
> My recommendation: PA0TWO (OK in QRZ). Good price, reliable source.
>
> Henry, KT1J
>
> From: k8mab
> Sent: Saturday, June 16, 2012 12:44 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] 4cx800a
>
> Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2180 / Virus Database: 2433/5073 - Release Date: 06/16/12
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4969. Re: [acom-list] 4cx800a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-16 22:02:13 UTC
From: Brian Alsop
Topic: 4962 Message: 4969

My experience as of a few years ago. (may have changed since then).

Beware that these tests don't test for a full KW out -- like the
ACOM-1000 is capable of.

Last I dealt with him, the tests were limited to about half kw.
Keep in mind power limit in UK is 400 W.

Depending upon what you are expecting, he is a reliable provider and
stands behind what he sells.

I never did get a tube from him that did a full KW in an ACOM-1000.
800-900 watts maybe with higher than normal drive and grid current. I
settled for this third try tube. The two I send back did 600 watts at
normal drive levels.

73 de Brian/K3KO

On 6/16/2012 20:46, Joel Kornreich wrote:
> Only place is VINE ANTENNAS in the UK. He tests each one with a test box
> he showed on the web. He also sold hundreds of these tested units.
> Ask for Ron..
>
> Joel, K2QBV
>
> On Sat, Jun 16, 2012 at 1:04 PM, Henry Ingwersen<kt1j@...> wrote:
>
>> **
>>
>>
>> My recommendation: PA0TWO (OK in QRZ). Good price, reliable source.
>>
>> Henry, KT1J
>>
>> From: k8mab
>> Sent: Saturday, June 16, 2012 12:44 PM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] 4cx800a
>>
>> Is there a recommended vendor on ebay to purchase a 4cx800a for a 1010...
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com
>> Version: 2012.0.2180 / Virus Database: 2433/5073 - Release Date: 06/16/12
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2178 / Virus Database: 2433/5073 - Release Date: 06/16/12
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2178 / Virus Database: 2433/5073 - Release Date: 06/16/12

4970. Acom 2000 a,G 2 too low

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-25 13:44:36 UTC
From: gianfranco moruzzi
Topic: 4970 Message: 4970

Hi

I have a problem in my Acom 2000 A, starting "operate", the display shows "G 2 too low" 214 v.
The famous capacitor C2 was changed 3 times, but the problem after few time (about 2 months and not after a lot of hours of run)
reappears. Changed also the tubes, but also the originals were good.
The problem returns to restart after a smooth operation.
Does anyone have an idea of what could be?
Many tnx 73 de iv3jcc Gianni
gianni_ud@yahoo.it

[Non-text portions of this message have been removed]

4971. AW: [acom-list] Acom 2000 a,G 2 too low

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-25 13:49:13 UTC
From: Markus Schleutermann
Topic: 4970 Message: 4971

Very simple, check your mains voltage and adapt the mains-transformer settings to the effective voltage and your problem will be solved!

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von gianfranco moruzzi
Gesendet: Montag, 25. Juni 2012 15:45
An: acom-list@yahoogroups.com
Betreff: [acom-list] Acom 2000 a,G 2 too low

Hi

I have a problem in my Acom 2000 A, starting "operate", the display shows "G 2 too low" 214 v.
The famous capacitor C2 was changed 3 times, but the problem after few time (about 2 months and not after a lot of hours of run)
reappears. Changed also the tubes, but also the originals were good.
The problem returns to restart after a smooth operation.
Does anyone have an idea of what could be?
Many tnx 73 de iv3jcc Gianni
gianni_ud@...<mailto:gianni_ud%40yahoo.it>

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[Non-text portions of this message have been removed]

4972. ACOM 1010, 120vac to 240vac conversion

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-26 18:57:14 UTC
From: k8mab
Topic: 4972 Message: 4972

Acom 1010 - Need instructions on what jumpers to use for 240vac...
Is there a pictorial.... thanks

4973. Re: [acom-list] ACOM 1010, 120vac to 240vac conversion

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-26 21:39:34 UTC
From: Ad4c2006
Topic: 4972 Message: 4973

Look in the book. Its all clear there how to unsoldered the actual jumper and solder the new ones.

AD4C

From my Android phone on T-Mobile. The first nationwide 4G network.

k8mab <k8mab@...> wrote:

Acom 1010 - Need instructions on what jumpers to use for 240vac...
Is there a pictorial.... thanks

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4974. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-26 22:00:39 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 4974

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /VoltageSelection.pdf
Uploaded by : bob_naumann <W5OV@...>
Description : Acom 1010 Line Voltage Change

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/VoltageSelection.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

bob_naumann <W5OV@...>

4975. Re: Acom 2000 a,G 2 too low

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-28 15:45:07 UTC
From: iv3jcc
Topic: 4970 Message: 4975

Tnx Mark
It is not simple , the settings are correts and the problem is here.

--- In acom-list@yahoogroups.com, "Markus Schleutermann" <hb9azt@...> wrote:
>
> Very simple, check your mains voltage and adapt the mains-transformer settings to the effective voltage and your problem will be solved!
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von gianfranco moruzzi
> Gesendet: Montag, 25. Juni 2012 15:45
> An: acom-list@yahoogroups.com
> Betreff: [acom-list] Acom 2000 a,G 2 too low
>
>
>
> Hi
>
> I have a problem in my Acom 2000 A, starting "operate", the display shows "G 2 too low" 214 v.
> The famous capacitor C2 was changed 3 times, but the problem after few time (about 2 months and not after a lot of hours of run)
> reappears. Changed also the tubes, but also the originals were good.
> The problem returns to restart after a smooth operation.
> Does anyone have an idea of what could be?
> Many tnx 73 de iv3jcc Gianni
> gianni_ud@...<mailto:gianni_ud%40yahoo.it>
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

4976. AW: [acom-list] Re: Acom 2000 a,G 2 too low

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-28 16:23:46 UTC
From: Markus Schleutermann
Topic: 4970 Message: 4976

The Acom2000 is very sensitive on unstable (to low) mains voltage, voltage may be different during daytime, depending on your power provider's quality. Had the same problem at a remote location and had to solve it with a mains stabilizer.

Never had that silly g2 message again...

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von iv3jcc
Gesendet: Donnerstag, 28. Juni 2012 17:45
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: Acom 2000 a,G 2 too low

Tnx Mark
It is not simple , the settings are correts and the problem is here.

--- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>, "Markus Schleutermann" <hb9azt@...<mailto:hb9azt@...>> wrote:
>
> Very simple, check your mains voltage and adapt the mains-transformer settings to the effective voltage and your problem will be solved!
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] Im Auftrag von gianfranco moruzzi
> Gesendet: Montag, 25. Juni 2012 15:45
> An: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> Betreff: [acom-list] Acom 2000 a,G 2 too low
>
>
>
> Hi
>
> I have a problem in my Acom 2000 A, starting "operate", the display shows "G 2 too low" 214 v.
> The famous capacitor C2 was changed 3 times, but the problem after few time (about 2 months and not after a lot of hours of run)
> reappears. Changed also the tubes, but also the originals were good.
> The problem returns to restart after a smooth operation.
> Does anyone have an idea of what could be?
> Many tnx 73 de iv3jcc Gianni
> gianni_ud@...<mailto:gianni_ud%40yahoo.it<mailto:gianni_ud@...%3cmailto:gianni_ud%40yahoo.it>>
>

> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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4977. Acom 2000A - low bias

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-28 17:12:09 UTC
From: Marcus - PP5MS
Topic: 4970 Message: 4977

Hi,

I have one 2000A with a problem on BIAS.

After 2 seconds of power on, the LCD shows a message that bias is too low
-085 Volts and the amplifier turn off.

Any glue to this?

Thank you,

Marcus - PP5MS

[Non-text portions of this message have been removed]

4978. Re: Acom 2000 a,G 2 too low

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-28 17:15:39 UTC
From: iv3jcc
Topic: 4970 Message: 4978

Yes. I belive your answer, but here the voltage is 235 and stable.
Tnx 73

--- In acom-list@yahoogroups.com, "Markus Schleutermann" <hb9azt@...> wrote:
>
> The Acom2000 is very sensitive on unstable (to low) mains voltage, voltage may be different during daytime, depending on your power provider's quality. Had the same problem at a remote location and had to solve it with a mains stabilizer.
>
> Never had that silly g2 message again...
>
> 73 de Mark, HB9AZT
>
> Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von iv3jcc
> Gesendet: Donnerstag, 28. Juni 2012 17:45
> An: acom-list@yahoogroups.com
> Betreff: [acom-list] Re: Acom 2000 a,G 2 too low
>
>
>
> Tnx Mark
> It is not simple , the settings are correts and the problem is here.
>
> --- In acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>, "Markus Schleutermann" <hb9azt@<mailto:hb9azt@>> wrote:
> >
> > Very simple, check your mains voltage and adapt the mains-transformer settings to the effective voltage and your problem will be solved!
> >
> > 73 de Mark, HB9AZT
> >
> > Von: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>] Im Auftrag von gianfranco moruzzi
> > Gesendet: Montag, 25. Juni 2012 15:45
> > An: acom-list@yahoogroups.com<mailto:acom-list%40yahoogroups.com>
> > Betreff: [acom-list] Acom 2000 a,G 2 too low
> >
> >
> >
> > Hi
> >
> > I have a problem in my Acom 2000 A, starting "operate", the display shows "G 2 too low" 214 v.
> > The famous capacitor C2 was changed 3 times, but the problem after few time (about 2

months and not after a lot of hours of run)
> > reappears. Changed also the tubes, but also the originals were good.
> > The problem returns to restart after a smooth operation.
> > Does anyone have an idea of what could be?
> > Many tnx 73 de iv3jcc Gianni
> >
gianni_ud@<mailto:gianni_ud%40yahoo.it<mailto:gianni_ud@%3cmailto:gianni_ud%40yahoo.it>>
> >
> > [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

4979. Re: [acom-list] Acom 2000A - low bias

Yahoo group: acom-list (2010 — 2016)
Date: 2012-06-28 17:53:25 UTC
From: Unit365
Topic: 4970 Message: 4979

Hello

I had this one time.
It was because i let the main switch ON.
Now i’m puting always the main switch off and no more messages.

unplug the amp from sector and let it 10 min and test again

73
Olivier
F4FQH

From: Marcus - PP5MS
Sent: Thursday, June 28, 2012 7:12 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A - low bias

Hi,

I have one 2000A with a problem on BIAS.

After 2 seconds of power on, the LCD shows a message that bias is too low
-085 Volts and the amplifier turn off.

Any glue to this?

Thank you,

Marcus - PP5MS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

4980. Tubes replacement in ACOM 1011

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-05 15:37:05 UTC
From: Demetrio Rocchetti
Topic: 4980 Message: 4980

What is the proper procedure for replacing the tubes 4CX250B in the amplifier ACOM 1011 ?
BIAS adjustement and so on ?
Don't tell me to contact the supplier, is an insignificant response I've done.

4981. surge during storm took out 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-05 18:47:37 UTC
From: ny9h
Topic: 4981 Message: 4981

the 20 amp dual 240 volt breaker was opened.

the front pwr switch was on .

I read 6.4 ohms across the plug, WAY too much current.
Disconnecting the LV low voltage XFMR primary from the mains control board opens up the 6.4 ohms.
Looks like the primary is shorted... but pins 1-3 shows 2.3 and pins 4-6 show 2.3 ohms.
both sides read the same ??? I guess if a surge broke down transformer , would the two 120 sides of the primary read the same?

looking over what I have from the 43 page tech notes,
i don't see anything else that would cause such a low r value....
I hate shipping this box, esp since i don't see the HV XFMR box here.

any ideas or comments.

So far it 'appears' my smaller solid state amp survived on the same 240 line,

Jay was kind enough to give me some guidance, but i dislike going back for more 'free' help. And "" I'd rather do it myself""

bill ny9h

bill ny9h/3

4982. Re: Acom with boat anchor?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-05 23:11:27 UTC
From: myles
Topic: 4870 Message: 4982

--- In acom-list@yahoogroups.com, "m5zzr@..." <m5zzr@...> wrote:
>
>
> Thanks Bob. That makes sense. Mel. M5ZZR.
>

I had a simular concern and offer this as a consideration from Mal
N2EHG

Good to hear from you and I have a good answer for you.
Many like to reduce the power from the 102 so that it does not overload a linear's input. People have tried reducing the drive and that works fine on CW and continuous output modes but the drive control has no effect in regular sideband. Some have used the ALC connection to their linears and that is a lot better than the drive control on SSB but because all ALC circuits have a time constant to deal with the first syllable of words will overdrive the linear and cause splatter. So here are two solutions:
1. Reduce your loading control by turning it completely counter clockwise to the first stripe or marking and dip the plate for minimum plate current. This will yield about 60 watts of power. If you need more power advance the control 1/2 towards the next mark. The second mark will yield about 90 watts and the next 120. At about the third marking you should develop full power. So by adjusting this control you can vary the power output from about 55~60 watts to full power with no overshoot as you would get with the ALC control on the back of the radio. This is my preferred method and will have the tubes last you for decades and give unbelievable low transmit distortion. What you are doing with this method is decoupling the finals from the antenna load.
2. This second method should also work fine and will give you even lower power outputs. First tune for maximum output on the band you are considering as maximum power output is usually the place of highest efficiency. Then on SSB engage the processor. Listen in the headphone jack while adjusting the compression control until the audio sounds identical to the unprocessed audio. If you wish you can bring it up to develop some processing as well (but for the purpose of this theoretical discussion make it sound the same). Then with the processor on you will notice that the drive control does work normally like the C.W. modes and you can turn the power down to almost nothing.
If I had the time I would publish this to my 102 website www.members.aol.com/NC4LMal but I don't have that luxury now. So if you would not mind, please spread the word about this and convey the contents to friends and people who might want the info by email or whatever other methods you can muster up.

73 de NC4L Mal

Hope this helps N2EHG

4983. Re: surge during storm took out 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-06 02:27:50 UTC
From: Mark Mumaw
Topic: 4981 Message: 4983

The resistance across the primary sounds OK to me. Mine measures 5.5 ohms at DC. I would check the transformer using a Variac. One way is to remove or just disconnect the xformer. Feed voltage from variac into primary, starting with just a few volts. Measure the HV, LV and filament voltage AC on the secondary. A simple calculation will tell you if output voltage is in the ball park. ie for variac voltage of 2 VAC .... 240/2 x measured Secondary voltage will give you the approximate secondary AC at 240 volts of each winding.

If the primary is shorted then the 2 VAC from the variac will do no harm. Also you can put a current meter on the primary and watch the current. It should be very low unless something is shorted.

The secondary voltages according to the schematic is 2050VAZ, 310VAC, and 40 CT AC.

Good luck....Mark NU6X

4984. Re: [acom-list] surge during storm took out 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-06 10:26:24 UTC
From: Jim Idelson
Topic: 4981 Message: 4984

Is the 2000a the only damage you suffered? Be on the lookout for additional damage, especially if lightning was part of the mix at your place. If other things were damaged, you might be in the range where a homeowners insurance claim makes sense. 73 Jim K1IR
--
Sent from my Android phone with K-9 Mail. Please excuse my brevity.

ny9h <ny9h@...> wrote:

the 20 amp dual 240 volt breaker was opened.

the front pwr switch was on .

I read 6.4 ohms across the plug, WAY too much current.
Disconnecting the LV low voltage XFMR primary from the mains control board opens up the 6.4 ohms.
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Jay was kind enough to give me some guidance, but i dislike going back for more 'free' help. And "" I'd rather do it myself""

bill ny9h

bill ny9h/3

Yahoo! Groups Links

[Non-text portions of this message have been removed]

4985. Re: [acom-list] surge during storm took out 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-06 11:52:49 UTC
From: Ny9h@arrl.net
Topic: 4981 Message: 4985

I carry an insurance policy specifically for the Acom 2000a And an icom 7800;
which includes electrical failure,,,

Lost router, raid system ! ; telephone, tv set , computer

It has been pointed out that my DCr measurements
Are not AC... Thus the xfmr might be fine....
Guess my variac comes to play, too bad it is 600 miles at the old house in Illinois.

Due to the potentials of a complex failure it may not wait for me..but rather it may take a trip to
The fix-it shoppe.

Bill

Sent from my iPad

On Jul 6, 2012, at 6:26 AM, Jim Idelson <k1ir@...> wrote:

> Is the 2000a the only damage you suffered? Be on the lookout for additional damage, especially if lightning was part of the mix at your place. If other things were damaged, you might be in the range where a homeowners insurance claim makes sense. 73 Jim K1IR
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> Sent from my Android phone with K-9 Mail. Please excuse my brevity.
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> ny9h <ny9h@...> wrote:
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> bill ny9h
>
> bill ny9h/3
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> ---
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> Yahoo! Groups Links
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> Yahoo! Groups Links
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>

4986. Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-14 19:13:16 UTC
From: kamarty456
Topic: 4986 Message: 4986

I am getting close to 5000 hours on my tubes in my ACOM 2000A

The amp is working flawlessly!

I was wondering how many of you are at 5000 hours or more run time
on your tubes?

Also..at what run hours did you replace your tubes and for what reason?

Martin KA7GKN

4987. Re: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-16 09:33:44 UTC
From: Henry Ingwersen
Topic: 4986 Message: 4987

Purch. 1998, 4908 hrs, original tubes, one repair (connector in filament line replaced).

Henry - KT1J

From: kamarty456
Sent: Saturday, July 14, 2012 3:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Llife

I am getting close to 5000 hours on my tubes in my ACOM 2000A

The amp is working flawlessly!

I was wondering how many of you are at 5000 hours or more run time
on your tubes?

Also..at what run hours did you replace your tubes and for what reason?

Martin KA7GKN

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2195 / Virus Database: 2437/5130 - Release Date: 07/13/12

[Non-text portions of this message have been removed]

4988. RE: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-16 10:53:47 UTC
From: Kees - pa7two
Topic: 4986 Message: 4988

Most repairs I conducted were due to the fact that the air-filter was not cleaned and the limited airflow ultimately did not cool down enough the tube, especially when in use with digital modes. I have seen / cleaned multiple air-intakes fully blocked by dust.

Two Acom 1000s we own, one tube lost its RF power gradually over a period of three years, whereby the higher HF frequencies suffered the most. Replaced by an NOS 1980 year GU74B tube and is running just UFB for two years now.

I also noticed that GU74B tubes which has consistantly been exposed to an high SWR often 'dies' much earlier compared to tubes used at low SWR ratings.

Just my two cents.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

To: acom-list@yahoogroups.com
From: kt1j@...
Date: Mon, 16 Jul 2012 05:33:44 -0400
Subject: Re: [acom-list] Tube Llife

Purch. 1998, 4908 hrs, original tubes, one repair (connector in filament line replaced).

Henry - KT1J

From: kamarty456

Sent: Saturday, July 14, 2012 3:13 PM

To: acom-list@yahoogroups.com

Subject: [acom-list] Tube Llife

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Version: 2012.0.2195 / Virus Database: 2437/5130 - Release Date: 07/13/12

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4989. RE: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-17 01:34:29 UTC
From: N2TK, Tony
Topic: 4986 Message: 4989

Hi Martin,

The first tubes failed at 6K and 6.3K hours of filament life. Got an alarm that there was resistance between the cathode and grid. The tubes still had good output when I replaced them.

Cut the tubes apart. What I noticed with both tubes was when the cathode was covered with a white insulating material the upper portion of the cathode did not have a coating. With the grid extremely close to the cathode I am surmising when the cathode got hot there was some mechanical movement which caused a resistance reading between the grid and cathode.

So, not sure if this is a manufacturing issue with these two tubes. Will have to see when the next one(s) fails to cut apart (different year) to see what the cathode looks like.

By the way the anode was bright shinny copper. Some 8870 series I have cut apart had black anodes and "chunks" missing out of the cathode. Not sure what that all means - just an observation.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kamarty456
Sent: Saturday, July 14, 2012 3:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Llife

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Martin KA7GKN

[Non-text portions of this message have been removed]

4990. Re: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-17 01:40:06 UTC
From: georgek5kg@aol.com
Topic: 4986 Message: 4990

Tony, very interesting that you investigate a failed tube. Curious to know how you safely "cut the tubes apart"?

73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 7/16/2012 9:34:31 P.M. Eastern Daylight Time, tony.kaz@... writes:

Hi Martin,

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N2TK, Tony

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Of kamarty456
Sent: Saturday, July 14, 2012 3:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Llife

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Martin KA7GKN

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4991. Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-17 01:43:51 UTC
From: D G
Topic: 4986 Message: 4991

So if someone has the amp on say 100 hours a week on Standby Mode to pounce upon DX (as it requires warmup, best to just leave on), would that mean at like only 60 weeks or 6000 hours of mostly standby, it's New Tube Time ???

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: georgek5kg@aol.com
Date: Mon, 16 Jul 2012 21:40:06 -0400
Subject: Re: [acom-list] Tube Llife

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73, George

George Wagner, K5KG
Sarasota, FL
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N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
Of kamarty456
Sent: Saturday, July 14, 2012 3:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Llife

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Yahoo! Groups Links

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4992. RE: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-18 00:09:11 UTC
From: N2TK, Tony
Topic: 4986 Message: 4992

Well, I don't know if my experience is typical and I don't know if all the tubes have the Cathode coated the way these two were quoted. Will have to wait and see when the present pair fail and I cut them apart.

N2TK, Tony

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of D G
Sent: Monday, July 16, 2012 9:44 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tube Llife

So if someone has the amp on say 100 hours a week on Standby Mode to pounce upon DX (as it requires warmup, best to just leave on), would that mean at like only 60 weeks or 6000 hours of mostly standby, it's New Tube Time ???

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Yahoo! Groups Links

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Yahoo! Groups Links

4993. RE: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-18 00:09:11 UTC
From: N2TK, Tony
Topic: 4986 Message: 4993

Hi George.

Forget cutting the ceramic.

I used a hack saw to cut the metal above the insulator. The anode lifted off.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of georgek5kg@...
Sent: Monday, July 16, 2012 9:40 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Tube Llife

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73, George

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 7/16/2012 9:34:31 P.M. Eastern Daylight Time, tony.kaz@... <mailto:tony.kaz%40verizon.net> writes:

Hi Martin,

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Yahoo! Groups Links

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4994. Re: [acom-list] Tube Llife

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-18 00:19:00 UTC
From: georgek5kg@aol.com
Topic: 4986 Message: 4994

QSL...tnx, Tony.

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 7/17/2012 8:09:16 P.M. Eastern Daylight Time,
tony.kaz@... writes:

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N2TK, Tony

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Behalf
Of georgek5kg@...
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Yahoo! Groups Links

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

4995. ICE 220v SURGE PROTECTOR...

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-22 15:29:34 UTC
From: bill ny9h
Topic: 4022 Message: 4995

some others have one , as I do , and need a copy of the manual...
curious as to just how much info is in there....

part of my suppressor went , taking out not the internal fuses @ 20
a, but the box's dual 20 circuit breaker.

At least it was not the acom. phew,,,,

bill

4996. Re: ICE 220v SURGE PROTECTOR...

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-26 16:59:46 UTC
From: kamarty456
Topic: 4022 Message: 4996

I have the ICE 338 AC 240VAC 30Amp line/EMI filter.
The unit is essentially maintenance free. all you do is
replace blown fuses if it does get a hit.

The manual is a single sheet of paper folded in half so
you have 4 pages of information:
introduction, Design, Installation, and maintenance

Go to www.morganmfg.us for information as they have
picked up some of the ICE line. The rest is at Array Solutions

Martin KA7GKN

--- In acom-list@yahoogroups.com, bill ny9h <ny9h@...> wrote:
>
> some others have one , as I do , and need a copy of the manual...
> curious as to just how much info is in there....
>
> part of my suppressor went , taking out not the internal fuses @ 20
> a, but the box's dual 20 circuit breaker.
>
> At least it was not the acom. phew,,,,
>
>
> bill
>

4997. Re: [acom-list] Re: ICE 220v SURGE PROTECTOR...

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-26 17:19:44 UTC
From: paul glassman
Topic: 4022 Message: 4997

Hey guys, I dont know any surge protector that protects from lightning strikes. As a matter of fact, even though many surge protectors have a picture of a lightning bolt on their box, the fine print clearly says " does not protect against lightning strikes"
        73 Paul W8JN

Sent from Yahoo! Mail on Android

[Non-text portions of this message have been removed]

4998. Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-28 09:06:33 UTC
From: pc2c_rene
Topic: 4998 Message: 4998

Hello, I am new on the group and I need some help.

I have an ACOM 1000 which turns off for in my view no reason. Only "ACOM 1000" is in the display.
Sometimes, when the timer near to the end for warm-up, the amp shuts off.
I turn it back on and all is okay for a few minutes, but after 5 or 10 minutes it shuts off again.
This happens sometimes 3 or more times a day, sometimes in works fine for a week.
Any help?

Rene, PC2C

4999. RE: [acom-list] Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-28 15:09:49 UTC
From: Kees - pa7two
Topic: 4998 Message: 4999

What do the error codes tell you Rene?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

To: acom-list@yahoogroups.com
From: pc2c@...
Date: Sat, 28 Jul 2012 09:06:33 +0000
Subject: [acom-list] Acom 1000 shuts off itself

Hello, I am new on the group and I need some help.

I have an ACOM 1000 which turns off for in my view no reason. Only "ACOM 1000" is in the display.

Sometimes, when the timer near to the end for warm-up, the amp shuts off.

I turn it back on and all is okay for a few minutes, but after 5 or 10 minutes it shuts off again.

This happens sometimes 3 or more times a day, sometimes in works fine for a week.

Any help?

Rene, PC2C

[Non-text portions of this message have been removed]

5000. Re: Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-28 15:30:29 UTC
From: pc2c_rene
Topic: 4998 Message: 5000

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
>
> What do the error codes tell you Rene?
>
>

No error code Kees.

1AFFFF FFFFFF FFFFFF
|
7BFFFF FFFFFF FFFFFF

5001. RE: [acom-list] Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-28 15:33:03 UTC
From: Ron Castro
Topic: 4998 Message: 5001

Rene: I had a problem with my ACOM 2000A that might be like yours. It turned out to be one of the two interlock switches that shuts down the power if the cover is taken off. The arm on mine was not quite bent far enough upward for the switch to trigger when the cover was put back on. The amp would go through the start-up, but as soon as the timer reached zero, the whole thing shut down. Yours may be just on the edge, and small temperature changes may be causing it to turn on and off. Simply bending the arm up a little bit higher fixed the problem.

Just a guess!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of pc2c_rene
Sent: Saturday, July 28, 2012 2:07 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 shuts off itself

Hello, I am new on the group and I need some help.

I have an ACOM 1000 which turns off for in my view no reason. Only "ACOM 1000" is in the display.
Sometimes, when the timer near to the end for warm-up, the amp shuts off.
I turn it back on and all is okay for a few minutes, but after 5 or 10 minutes it shuts off again.
This happens sometimes 3 or more times a day, sometimes in works fine for a week.
Any help?

Rene, PC2C

Yahoo! Groups Links

5002. Re: ICE 220v SURGE PROTECTOR...

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-28 22:21:18 UTC
From: kamarty456
Topic: 4022 Message: 5002

Paul you're correct, a lightning strike is devastating!

The ICE surge protector will address power line spikes that
may cause a hick-cup within the electronics of the amplifier.

I have surge protection on my LCD television, computer, ALL
my amateur equipment etc.

Martin ka7gkn

--- In acom-list@yahoogroups.com, paul glassman <highschooldiving@...> wrote:
>
> Hey guys, I dont know any surge protector that protects from lightning strikes. As a matter of fact, even though many surge protectors have a picture of a lightning bolt on their box, the fine print clearly says " does not protect against lightning strikes"
>   73 Paul W8JN
>
>
> Sent from Yahoo! Mail on Android
>
>
>
> [Non-text portions of this message have been removed]
>

5003. Re: Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-31 17:29:33 UTC
From: pc2c_rene
Topic: 4998 Message: 5003

--- In acom-list@yahoogroups.com, "pc2c_rene" <pc2c@...> wrote:
>
> I have an ACOM 1000 which turns off for in my view no reason. Only "ACOM 1000" is in the display.
> Sometimes, when the timer near to the end for warm-up, the amp shuts off.
> I turn it back on and all is okay for a few minutes, but after 5 or 10 minutes it shuts off again.
> This happens sometimes 3 or more times a day, sometimes in works fine for a week.

I wrote an email to ACOM. Got an answer within a day!!! GREAT

Hello,

Please inform me about the serial number of your ACOM 1000.
You can replace the C5 3300uF 25V.
Should you have any further questions, I stay at your disposal.

Best regards,

Maya Georgieva
ACOM Export Manager

5004. RE: [acom-list] Re: Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-07-31 18:06:21 UTC
From: Kees - pa7two
Topic: 4998 Message: 5004

Thanks for sharing the info Rene!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

To: acom-list@yahoogroups.com
From: pc2c@...
Date: Tue, 31 Jul 2012 17:29:33 +0000
Subject: [acom-list] Re: Acom 1000 shuts off itself

--- In acom-list@yahoogroups.com, "pc2c_rene" <pc2c@...> wrote:

>

> I have an ACOM 1000 which turns off for in my view no reason. Only "ACOM 1000" is in the display.

> Sometimes, when the timer near to the end for warm-up, the amp shuts off.

> I turn it back on and all is okay for a few minutes, but after 5 or 10 minutes it shuts off again.

> This happens sometimes 3 or more times a day, sometimes in works fine for a week.

I wrote an email to ACOM. Got an answer within a day!!! GREAT

Hello,

Please inform me about the serial number of your ACOM 1000.

You can replace the C5 3300uF 25V.

Should you have any further questions, I stay at your disposal.

Best regards,

Maya Georgieva

ACOM Export Manager

[Non-text portions of this message have been removed]

5005. A1010 blows fuse after heating up

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-01 10:22:45 UTC
From: lx1no
Topic: 5005 Message: 5005

Hi,

Before the recent IOTA contest took place, the A1010 caused a lot of headache. It's a fine amp that does the job it is designed for, but only if it manages to stay on after the 3min heat up period. Then, 4 out of 5 times, the 6.3A fuse is blown up.

The voltage in the shack is roughly around 250V, the A ist set for 240V inside.

Is there something like a current limiter that could be added or any other modification?

We finally decided to use an Emtron instead, which has no problem at all after the heat up problem.

Any idea/hint what to look for?

73 Norby

5006. Re: [acom-list] A1010 blows fuse after heating up

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-01 13:54:25 UTC
From: Peter Day
Topic: 5005 Message: 5006

On 01/08/2012 11:22, lx1no wrote:
>
> Hi,
>
> Before the recent IOTA contest took place, the A1010 caused a lot of
> headache. It's a fine amp that does the job it is designed for, but
> only if it manages to stay on after the 3min heat up period. Then, 4
> out of 5 times, the 6.3A fuse is blown up.
>
> The voltage in the shack is roughly around 250V, the A ist set for
> 240V inside.
>
> Is there something like a current limiter that could be added or any
> other modification?
>
> We finally decided to use an Emtron instead, which has no problem at
> all after the heat up problem.
>
> Any idea/hint what to look for?.
>

I had exactly the same problem earlier this year ... it turned out to
be a faulty GU7B tube.

Peter G3PHO
>
>

[Non-text portions of this message have been removed]

5007. Re: A1010 blows fuse after heating up

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-01 18:32:41 UTC
From: lx1no
Topic: 5005 Message: 5007

Hi Peter,

> I had exactly the same problem earlier this year ... it turned out
> to be a faulty GU7B tube.

I forwarded your hint. The tube will be removed and double checked again.

The fact is, that the amp was stress tested on true 240V into a dummy-load and it was all thumbs up. At the contest place with some 250V, it fails, often.

I'm nowhere nearby the amp, so can't check anything myself.

73 Norby

5008. ACOM 1000 Transformer failure

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 06:41:17 UTC
From: Steve
Topic: 5008 Message: 5008

After a couple of months of not being used I decided to turn on my spare ACOM and give it some exercise.
Unfortunately was greeted by error message PN07 which is HV fault related and the amp switches off. No bangs,no smoke,nothing inside overheated,distressed either in the RF compartment or on the circuit boards.
Very efficient tests carried out with Stan at Acom HQ and the diagnosos was HT transformer failure.
The LV side of the transformer was still OK.
Price for the HV transformer is 362 EUR, shipping costs to UK is 95 EUR.
Prices do not include VAT, 20%.
Thats a lot of money for something that has at most 200hrs of operation on it and of course being some 6 years old has no warranty.
Hope this is not becoming a common issue now.

73, Steve G8LIK

5009. Re: ACOM 1000 Transformer failure

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 11:43:41 UTC
From: moumoumousse
Topic: 5008 Message: 5009

Hi Steve

Please read : Message #4906

It seems for ACOM that a 6 or 7 years for a transformer life is quite normal !!!!!!!!

A big problem with this product for his fiability ! are you ready to spend 500 euros every 7 years ? I have lot of mail from other Ham with same problem.

Had two TL-922 since 25 years and never this kind of problem. Only replaced a pair of 3-500Z (normal use).

My dealer in France send my old transformer for inspection to ACOM 6 month ago ! no news .... I am waiting for the return of this one ! I want to keep it for a local expertise ...

Best 73

Francis **f6blp**

--- In acom-list@yahoogroups.com, "Steve" <stevehurstg8lik2003@...> wrote:
>
> After a couple of months of not being used I decided to turn on my spare ACOM and give it some exercise.
> Unfortunately was greeted by error message PN07 which is HV fault related and the amp switches off. No bangs,no smoke,nothing inside overheated,distressed either in the RF compartment or on the circuit boards.
> Very efficient tests carried out with Stan at Acom HQ and the diagnosos was HT transformer failure.
> The LV side of the transformer was still OK.
> Price for the HV transformer is 362 EUR, shipping costs to UK is 95 EUR.
> Prices do not include VAT, 20%.
> Thats a lot of money for something that has at most 200hrs of operation on it and of course being some 6 years old has no warranty.
> Hope this is not becoming a common issue now.
>
> 73, Steve G8LIK
>

5010. Re: [acom-list] Re: ACOM 1000 Transformer failure

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 12:00:04 UTC
From: paim
Topic: 5008 Message: 5010

hello Steve
why not to call vine antenna Ron is a great guy and go extra mile for customer i know him over 20years and he help every time and send very quick e-mail

vy 73
E.P g0uut/dl9fcc

_____
From: moumoumousse <nosnip@free.fr>
To: acom-list@yahoogroups.com
Sent: Friday, 3 August 2012, 12:43
Subject: [acom-list] Re: ACOM 1000 Transformer failure

Hi Steve

Please read : Message #4906

It seems for ACOM that a 6 or 7 years for a transformer life is quite normal !!!!!!!!

A big problem with this product for his fiability ! are you ready to spend 500 euros every 7 years ? I have lot of mail from other Ham with same problem.

Had two TL-922 since 25 years and never this kind of problem. Only replaced a pair of 3-500Z (normal use).

My dealer in France send my old transformer for inspection to ACOM 6 month ago ! no news .... I am waiting for the return of this one ! I want to keep it for a local expertise ...

Best 73

Francis **f6blp**

--- In acom-list@yahoogroups.com, "Steve" <stevehurstg8lik2003@...> wrote:
>
> After a couple of months of not being used I decided to turn on my spare ACOM and give it some exercise.
> Unfortunately was greeted by error message PN07 which is HV fault related and the amp switches off. No bangs,no smoke,nothing inside overheated,distressed either in the RF compartment or on the circuit boards.
> Very efficient tests carried out with Stan at Acom HQ and the diagnosos was HT transformer failure.
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> Price for the HV transformer is 362 EUR, shipping costs to UK is 95 EUR.
> Prices do not include VAT, 20%.
> Thats a lot of money for something that has at most 200hrs of operation on it and of course being some 6 years old has no warranty.
> Hope this is not becoming a common issue now.
>

> 73, Steve G8LIK
>

[Non-text portions of this message have been removed]

5011. Transformer failures

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 12:08:59 UTC
From: Steve
Topic: 5011 Message: 5011

I would agree it should be very unusual for a transformer to fail,if its not stressed (and mine certainly has not been).
I have old amateur valve rigs from the late 70s with HT transformers in that work 100%.Never an issue..
Same with broadcast transmitters at work-transformers generally work for the equipments lifetime when run 24hrs a day.30 year old spares are just gathering dust!
Its got to be a design flaw or manufacturing defect.

73, Steve G8LIK

5012. Re: [acom-list] Transformer failures

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 14:18:43 UTC
From: georgek5kg@aol.com
Topic: 5011 Message: 5012

The only HV transformer that ever failed for me was one in a Collins 30L1 linear amp that had been running on 135 vac instead of 115-120 vac. After a few years, it finally failed probably because it was running too hot. I replaced the transformer and put a variac ahead of it to provide 115 vac, after which it never failed again.

73, George.

George Wagner, K5KG
Sarasota, FL
941-400-1960 cell

In a message dated 8/3/2012 8:09:03 A.M. Eastern Daylight Time, stevehurstg8lik2003@... writes:

I would agree it should be very unusual for a transformer to fail,if its not stressed (and mine certainly has not been).
I have old amateur valve rigs from the late 70s with HT transformers in that work 100%.Never an issue..
Same with broadcast transmitters at work-transformers generally work for the equipments lifetime when run 24hrs a day.30 year old spares are just gathering dust!
Its got to be a design flaw or manufacturing defect.

73, Steve G8LIK

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5013. RE: [acom-list] Transformer failures

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 14:34:07 UTC
From: Kees - pa7two
Topic: 5011 Message: 5013

FYI: I've reported, via email to Acom Bulgaria, in the past issues with the Acom transformers and their way of quality control this component. It was related to residual brown (looked like 'corroded coloured' substances left behind, hence not properly cleaned) before spray paint the transformers. This has been rectified immediately (better: instantly) as I have been confirmed by Acom Bulgaria and by checking myself in numerous new units afterwards.

Reading the responses, beside some random component failures (forgetting the early version caps and relays) that seems to happen to almost every manufacturer, this seems to be THE component that is the one to take extra investigations into for when buying an Acom 1000/1010/1011 second hand?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

To: acom-list@yahoogroups.com
From: georgek5kg@...
Date: Fri, 3 Aug 2012 10:18:43 -0400
Subject: Re: [acom-list] Transformer failures

The only HV transformer that ever failed for me was one in a Collins 30L1

linear amp that had been running on 135 vac instead of 115-120 vac. After

a few years, it finally failed probably because it was running too hot. I

replaced the transformer and put a variac ahead of it to provide 115 vac,

after which it never failed again.

73, George.

George Wagner, K5KG

Sarasota, FL

941-400-1960 cell

In a message dated 8/3/2012 8:09:03 A.M. Eastern Daylight Time,

stevehurstg8lik2003@... writes:

I would agree it should be very unusual for a transformer to fail,if its

not stressed (and mine certainly has not been).

I have old amateur valve rigs from the late 70s with HT transformers in

that work 100%.Never an issue..

Same with broadcast transmitters at work-transformers generally work for the equipments lifetime when run 24hrs a day.30 year old spares are just gathering dust!

Its got to be a design flaw or manufacturing defect.

73, Steve G8LIK

Yahoo! Groups Links

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5014. Re: [acom-list] Transformer failures

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 16:42:56 UTC
From: Peter Day
Topic: 5011 Message: 5014

On 03/08/2012 15:34, Kees - pa7two wrote:
>
> FYI: I've reported, via email to Acom Bulgaria, in the past issues with the Acom transformers and their way of quality control this component. It was related to residual brown (looked like 'corroded coloured' substances left behind, hence not properly cleaned) before spray paint the transformers. This has been rectified immediately (better: instantly) as I have been confirmed by Acom Bulgaria and by checking myself in numerous new units afterwards.
>
> Reading the responses, beside some random component failures (forgetting the early version caps and relays) that seems to happen to almost every manufacturer, this seems to be THE component that is the one to take extra investigations into for when buying an Acom 1000/1010/1011 second hand?
>
>
>

From what date was this change made to the quality control Kees? I have had my Acom 1010 just over three years now :-)

Many thanks,

Peter G3PHO

5015. RE: [acom-list] Transformer failures

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-03 19:15:01 UTC
From: Kees - pa7two
Topic: 5011 Message: 5015

Hi OM Peter,

See here my review:

http://www.eham.net/reviews/detail/1694?page=7

* - Transformer?s mounting base plate has brown colored
spots. These spots were noticed on both the units. The transformer is
welded on an Aluminum base plate while the transformers has metal pieces
and apparently not well enough cleaned & painted and/or protected.

I removed the transformers, sandpaper and cleaned the spots carefully
and prepared them with an anti rust layer and twice a layer with shiny
black metal paint. Looks like new now, but I did not like phenomenon
this at all.

Dated Feb 10, 2006. Review was sent over email to Acom for review a few days before publishing on eHam.

Honestly, I am feeling very sorry for the few HAMs with these transformer failures. On the other hand, with the very low numbers reported this has to be simply a matter of bad luck. I would like to advice Acom to help out the HAMs that suffer from these defects in a more less strict economical way. (Acom reads this forum closely, hopefully they want to take this advice in account).

Acom still produces the very best quality amps a HAM can buy against a reasonable price. In example, an average rating of 4.9/5

on eHam out of 124 reviews is what other manufactures only wish for!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

To: acom-list@yahoogroups.com
From: microwaves@blueyonder.co.uk
Date: Fri, 3 Aug 2012 17:42:56 +0100
Subject: Re: [acom-list] Transformer failures

On 03/08/2012 15:34, Kees - pa7two wrote:

>

> FYI: I've reported, via email to Acom Bulgaria, in the past issues with the Acom transformers and their way of quality control this component. It was related to residual brown (looked like 'corroded coloured' substances left behind, hence not properly cleaned) before spray paint the transformers. This has been rectified immediately (better: instantly) as I have been confirmed by Acom Bulgaria and by checking myself in numerous new units afterwards.

>

> Reading the responses, beside some random component failures (forgetting the early version caps and relays) that seems to happen to almost every manufacturer, this seems to be THE component that is the one to take extra investigations into for when buying an Acom 1000/1010/1011 second hand?

>

>

>

From what date was this change made to the quality control Kees? I have

had my Acom 1010 just over three years now :-)

Many thanks,

Peter G3PHO

[Non-text portions of this message have been removed]

5016. Re: [acom-list] Transformer failures

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-04 14:38:45 UTC
From: Peter Day
Topic: 5011 Message: 5016

On 03/08/2012 20:15, Kees - pa7two wrote:
> Hi OM Peter,
>
> See here my review:
>
> http://www.eham.net/reviews/detail/1694?page=7
>
<snip>

Many thanks indeed for the info Kees!
I'll take a look inside my 1010 :-)

Best wishes,

Peter G3PHO

5017. ac1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-08 05:16:31 UTC
From: ZL2AAA
Topic: 5017 Message: 5017

Hi All Has anyone had a problem with a loud ac type hum being transmitted. This most noticeable when not speaking but with the amp still in transmit mode.Thanks Morrie

5018. RE: [acom-list] ac1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-08 06:30:56 UTC
From: John Wakefield
Topic: 5017 Message: 5018

Hi Morrie,

Not sure how relevant this will be to you, but the only time I have heard this type of noise and I would say noticeable rather than loud was when I ran power from a generator that wasn't an inverter type. I haven't used this type of generator since and I have had no problems. My Honda 65is has caused no problems at all.

John M0XIG

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ZL2AAA
Sent: 08 August 2012 05:17
To: acom-list@yahoogroups.com
Subject: [acom-list] ac1000

Hi All Has anyone had a problem with a loud ac type hum being transmitted. This most noticeable when not speaking but with the amp still in transmit mode.Thanks Morrie

[Non-text portions of this message have been removed]

5019. RE: [acom-list] ac1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-08 08:12:02 UTC
From: Kees - pa7two
Topic: 5017 Message: 5019

The amp type Acom 1000 units suffer from resonating, most noticeable when you put your ear close to the top cover, right - back side and and TX with a carrier. The more RF output, the more hum will be noticeable. The "fix" is to put something in between the plastic cover inside the amp and the metal outside-cover of the amp. Acom provided me some stuffing material, which has a kinda glue on one side of the material and that side I pressed on the plastic part inside the amp. When attached, the hum is hardly noticeable anymore.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

To: acom-list@yahoogroups.com
From: john.m0xig@...
Date: Wed, 8 Aug 2012 06:30:56 +0000
Subject: RE: [acom-list] ac1000

Hi Morrie,

Not sure how relevant this will be to you, but the only time I have heard

this type of noise and I would say noticeable rather than loud was when I

ran power from a generator that wasn't an inverter type. I haven't used

this type of generator since and I have had no problems. My Honda 65is has

caused no problems at all.

John M0XIG

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

Of ZL2AAA

Sent: 08 August 2012 05:17

To: acom-list@yahoogroups.com

Subject: [acom-list] ac1000

Hi All Has anyone had a problem with a loud ac type hum being transmitted.

This most noticeable when not speaking but with the amp still in transmit

mode.Thanks Morrie

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5020. 7600 - 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-10 17:11:27 UTC
From: k8mab
Topic: 5020 Message: 5020

Is the icom-7600 default send jack ok to use with the acom-1010 key-in "ground on transmit"... Thanks Joe

5021. Re: [acom-list] 7600 - 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-10 17:17:58 UTC
From: W5OV@w5ov.com
Topic: 5020 Message: 5021

Yes.

All Acom amplifiers are compatible with all modern radios without any keying buffers or such devices.

73,

Bob W5OV
Array Solutions

> Is the icom-7600 default send jack ok to use with the acom-1010 key-in
> "ground on transmit"... Thanks Joe
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

5022. Re: [acom-list] ac1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-11 07:27:05 UTC
From: ZL2AAA
Topic: 5017 Message: 5022

Hi Thanks for the replies it would appear that this could be pickup from
power supply side of the amp,having said that this is a new phenomenon.
A request for information from Acom tells that they are on holiday till 26th
August
Morrie

----- Original Message -----
From: "Kees - pa7two" <pa7two@...>
To: "ACOM Reflector site" <acom-list@yahoogroups.com>
Sent: Wednesday, August 08, 2012 8:12 PM
Subject: RE: [acom-list] ac1000

>
> The amp type Acom 1000 units suffer from resonating, most noticeable when
> you put your ear close to the top cover, right - back side and and TX with
> a carrier. The more RF output, the more hum will be noticeable. The "fix"
> is to put something in between the plastic cover inside the amp and the
> metal outside-cover of the amp. Acom provided me some stuffing material,
> which has a kinda glue on one side of the material and that side I pressed
> on the plastic part inside the amp. When attached, the hum is hardly
> noticeable anymore.
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
>
> To: acom-list@yahoogroups.com
> From: john.m0xig@...
> Date: Wed, 8 Aug 2012 06:30:56 +0000
> Subject: RE: [acom-list] ac1000
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> Hi Morrie,
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>
> Not sure how relevant this will be to you, but the only time I have heard
>
> this type of noise and I would say noticeable rather than loud was when I
>
> ran power from a generator that wasn't an inverter type. I haven't used
>
> this type of generator since and I have had no problems. My Honda 65is
> has
>
> caused no problems at all.
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> John M0XIG
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>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
>
> Of ZL2AAA
>
> Sent: 08 August 2012 05:17
>
> To: acom-list@yahoogroups.com
>
> Subject: [acom-list] ac1000
>
>
>
> Hi All Has anyone had a problem with a loud ac type hum being transmitted.
>
> This most noticeable when not speaking but with the amp still in transmit
>

> mode.Thanks Morrie
>
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5023. RE: [acom-list] ac1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-11 09:25:01 UTC
From: Kees - pa7two
Topic: 5017 Message: 5023

Hi Morrie,

New units do hardly suffer from this phenomenon,. However, when the unit is in use lets say for a 1/2 year or so, the hum is more and more noticeable. The fix is easy, the solution I provided earlier :-) (IF this relates to what you describe of course)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

> To: acom-list@yahoogroups.com
> From: zl2aaa@...
> Date: Sat, 11 Aug 2012 19:27:05 +1200
> Subject: Re: [acom-list] ac1000
>
>
> Hi Thanks for the replies it would appear that this could be pickup from
> power supply side of the amp,having said that this is a new phenomenon.
> A request for information from Acom tells that they are on holiday till 26th
> August
> Morrie
>
> ----- Original Message -----
> From: "Kees - pa7two" <pa7two@...>
> To: "ACOM Reflector site" <acom-list@yahoogroups.com>
> Sent: Wednesday, August 08, 2012 8:12 PM
> Subject: RE: [acom-list] ac1000
>
>
> >
> > The amp type Acom 1000 units suffer from resonating, most noticeable when
> > you put your ear close to the top cover, right - back side and and TX with
> > a carrier. The more RF output, the more hum will be noticeable. The "fix"
> > is to put something in between the plastic cover inside the amp and the
> > metal outside-cover of the amp. Acom provided me some stuffing material,
> > which has a kinda glue on one side of the material and that side I pressed
> > on the plastic part inside the amp. When attached, the hum is hardly
> > noticeable anymore.
> >
> >
> > Vy 73, de Kees - PA7TWO - M5TWO
> > DX IS and CW RULES!
> >
> >
> > To: acom-list@yahoogroups.com
> > From: john.m0xig@...
> > Date: Wed, 8 Aug 2012 06:30:56 +0000

> > Subject: RE: [acom-list] ac1000
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> > Hi Morrie,
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> >
> > Not sure how relevant this will be to you, but the only time I have heard
> >
> > this type of noise and I would say noticeable rather than loud was when I
> >
> > ran power from a generator that wasn't an inverter type. I haven't used
> >
> > this type of generator since and I have had no problems. My Honda 65is
> > has
> >
> > caused no problems at all.
> >
> >
> >
> > John M0XIG
> >
> >
> >
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf

> >
> > Of ZL2AAA
> >
> > Sent: 08 August 2012 05:17
> >
> > To: acom-list@yahoogroups.com
> >
> > Subject: [acom-list] ac1000
> >
> >
> >
> > Hi All Has anyone had a problem with a loud ac type hum being transmitted.
> >
> > This most noticeable when not speaking but with the amp still in transmit
> >
> > mode.Thanks Morrie
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> > [Non-text portions of this message have been removed]
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5024. Clean your filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-12 19:36:23 UTC
From: kamarty456
Topic: 5024 Message: 5024

Fellow ACOM users this is a reminder for you to check your filters and clean them. We easily forget to do that but in the heat of summer
and the dust [Arizona is dusty] will effect the performance of the amplifier.

SO....climb behind your amplifier and clean your filter to ensure maximum air flow and top notch operation!!!

Martin KA7GKN

5025. Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 22:08:26 UTC
From: gj450
Topic: 5025 Message: 5025

Hello,

Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok, 1.5K out. Ant SWR good, checked with dummy load - OK.
Sent e-mail to Acom but no response ??

Any ideas on what to check ?

Thanks
Jerry, KE9I

5026. Re: [acom-list] Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 22:13:25 UTC
From: W5OV@w5ov.com
Topic: 5025 Message: 5026

If you emailed Acom in Bulgaria they are closed for vacation.

Are you sure you're driving the amp with full power?

> Hello,
>
> Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok,
> 1.5K out. Ant SWR good, checked with dummy load - OK.
> Sent e-mail to Acom but no response ??
>
> Any ideas on what to check ?
>
> Thanks
> Jerry, KE9I
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> Yahoo! Groups Links
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5027. Re: Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 22:18:03 UTC
From: gj450
Topic: 5025 Message: 5027

Typical 60-70 W drive...
I did at one time get 1.5K with 65 W drive. So something has changed or broken ?

Jerry, KE9I

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> If you emailed Acom in Bulgaria they are closed for vacation.
>
> Are you sure you're driving the amp with full power?
>
> > Hello,
> >
> > Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok,
> > 1.5K out. Ant SWR good, checked with dummy load - OK.
> > Sent e-mail to Acom but no response ??
> >
> > Any ideas on what to check ?
> >
> > Thanks
> > Jerry, KE9I
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5028. Re: [acom-list] Re: Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 22:26:18 UTC
From: Paul M Dunphy
Topic: 5025 Message: 5028

At 07:18 PM 8/17/2012, you wrote:

>Typical 60-70 W drive...
>I did at one time get 1.5K with 65 W drive. So something has changed
>or broken ?
>
>Jerry, KE9I

I don't know if this is relevant to a GU74b pentode, but the classic symptom of many tubes is the output rolling off of output power on the higher frequencies when they are near end of life (a/k/a a soft tube.) If one or both of them are wearing out, that might be how they'd show the problem. Just a guess. If they have a lot of hours on them, it is even more likely.

73, Paul VE1DX

5029. Re: [acom-list] Re: Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 22:54:55 UTC
From: George
Topic: 5025 Message: 5029

Have you re-tuned the amp to those bands?
73
George
W2GS
On 8/17/2012 5:18 PM, gj450 wrote:
>
>
> Typical 60-70 W drive...
> I did at one time get 1.5K with 65 W drive. So something has changed
> or broken ?
>
> Jerry, KE9I
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> W5OV@... wrote:
> >
> > If you emailed Acom in Bulgaria they are closed for vacation.
> >
> > Are you sure you're driving the amp with full power?
> >
> > > Hello,
> > >
> > > Have a 2000A. Output about 1 KW on 12 and 15M. All other bands
> seem ok,
> > > 1.5K out. Ant SWR good, checked with dummy load - OK.
> > > Sent e-mail to Acom but no response ??
> > >
> > > Any ideas on what to check ?
> > >
> > > Thanks
> > > Jerry, KE9I
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5030. Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 23:04:14 UTC
From: D G
Topic: 5025 Message: 5030

Yes, suggest you RETUNE with the Autotuner on the 12 & 15 band segments and see what the max is then.

Dennis
N3DG

To: acom-list@yahoogroups.com
From: at6c@...
Date: Fri, 17 Aug 2012 17:54:55 -0500
Subject: Re: [acom-list] Re: Low output 12 and 15 Meters

Have you re-tuned the amp to those bands?
73
George
W2GS
On 8/17/2012 5:18 PM, gj450 wrote:
>
>
> Typical 60-70 W drive...
> I did at one time get 1.5K with 65 W drive. So something has changed
> or broken ?
>
> Jerry, KE9I
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> W5OV@... wrote:
> >
> > If you emailed Acom in Bulgaria they are closed for vacation.
> >
> > Are you sure you're driving the amp with full power?
> >
> > > Hello,
> > >
> > > Have a 2000A. Output about 1 KW on 12 and 15M. All other bands
> seem ok,
> > > 1.5K out. Ant SWR good, checked with dummy load - OK.
> > > Sent e-mail to Acom but no response ??
> > >
> > > Any ideas on what to check ?
> > >
> > > Thanks
> > > Jerry, KE9I
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5031. Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 23:07:09 UTC
From: D G
Topic: 5025 Message: 5031

From my experience, also had this happen and was an early sign of a weak tube (or two). It was then followed by some Bias Voltage Low Eroor on the remote (pardon me, I am an Appliance Op).
The solution was a new pair of finals, although just one tube was bad (maybe one tube could have been replaced, but not matched pair, not sure if necessary...likely debate next on matched pair needed or not...).

Dennis
N3DG

To: acom-list@...m
From: amplifier@...
Date: Fri, 17 Aug 2012 19:26:18 -0300
Subject: Re: [acom-list] Re: Low output 12 and 15 Meters

At 07:18 PM 8/17/2012, you wrote:

>Typical 60-70 W drive...
>I did at one time get 1.5K with 65 W drive. So something has changed
>or broken ?
>
>Jerry, KE9I

I don't know if this is relevant to a GU74b pentode, but the classic symptom of many tubes is the output rolling off of output power on the higher frequencies when they are near end of life (a/k/a a soft tube.) If one or both of them are wearing out, that might be how they'd show the problem. Just a guess. If they have a lot of hours on them, it is even more likely.

73, Paul VE1DX

[Non-text portions of this message have been removed]

5032. Re: [acom-list] Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 23:21:06 UTC
From: ZL2AAA
Topic: 5025 Message: 5032

On holiday till 26th August Morrie

----- Original Message -----
From: gj450
To: acom-list@yahoogroups.com
Sent: Saturday, August 18, 2012 10:08 AM
Subject: [acom-list] Low output 12 and 15 Meters

Hello,

Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok, 1.5K out. Ant SWR good, checked with dummy load - OK.
Sent e-mail to Acom but no response ??

Any ideas on what to check ?

Thanks
Jerry, KE9I

[Non-text portions of this message have been removed]

5033. Re: [acom-list] Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 23:43:12 UTC
From: Joel Kornreich
Topic: 5025 Message: 5033

Did you try the manual tune and not automatic. Each band has to be set up
and I have no idea how long you have been using the A2000 ACOM. Last
resort, on Monday, call Bob at Array Solutions.

Joel , K2QBV

On Fri, Aug 17, 2012 at 6:08 PM, gj450 <jend@...> wrote:

> **
>
>
> Hello,
>
> Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok,
> 1.5K out. Ant SWR good, checked with dummy load - OK.
> Sent e-mail to Acom but no response ??
>
> Any ideas on what to check ?
>
> Thanks
> Jerry, KE9I
>
>
>

[Non-text portions of this message have been removed]

5034. Re: [acom-list] Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-18 00:21:17 UTC
From: Jim Cox
Topic: 5025 Message: 5034

Also, what is the plate current showing on these bands at 1 kw out?
If you haven't done the autotune on these 2 bands in each segment, do that
again.
Jim K4JAF

-----Original Message-----
From: Joel Kornreich
Sent: Friday, August 17, 2012 6:43 PM
To: acom-list@yahoogroups.com
Cc: Mark
Subject: Re: [acom-list] Low output 12 and 15 Meters

Did you try the manual tune and not automatic. Each band has to be set up
and I have no idea how long you have been using the A2000 ACOM. Last
resort, on Monday, call Bob at Array Solutions.

Joel , K2QBV

On Fri, Aug 17, 2012 at 6:08 PM, gj450 <jend@...> wrote:

> **
>
>
> Hello,
>
> Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok,
> 1.5K out. Ant SWR good, checked with dummy load - OK.
> Sent e-mail to Acom but no response ??
>
> Any ideas on what to check ?
>
> Thanks
> Jerry, KE9I
>
>
>

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Yahoo! Groups Links

5035. Re: [acom-list] Low output 12 and 15 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-17 22:17:25 UTC
From: Brian Alsop
Topic: 5025 Message: 5035

What are the currents and voltages on these bands. How does it compare
to other full power bands.

Sounds like you got another antenna selected in the amp on these bands
and hence goofy tuning settings. Look and see if it is A0 or something
else.

Did you try retuning the segments?

73 de Brian/K3KO

On 8/17/2012 22:08, gj450 wrote:
> Hello,
>
> Have a 2000A. Output about 1 KW on 12 and 15M. All other bands seem ok,
> 1.5K out. Ant SWR good, checked with dummy load - OK.
> Sent e-mail to Acom but no response ??
>
> Any ideas on what to check ?
>
> Thanks
> Jerry, KE9I
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2178 / Virus Database: 2437/5205 - Release Date: 08/17/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2178 / Virus Database: 2437/5205 - Release Date: 08/17/12

5036. Re: Acom 1000 shuts off itself

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-20 20:08:29 UTC
From: pc2c_rene
Topic: 4998 Message: 5036

--- In acom-list@yahoogroups.com, "pc2c_rene" <pc2c@...> wrote:
>
> You can replace the C5 3300uF 25V.
>

Meanwhile, C5 replaced. So far no problems.
I hope it stays that way.

5037. Fw: acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-27 22:11:40 UTC
From: ZL2AAA
Topic: 5037 Message: 5037

----- Original Message -----
From: "ZL2AAA" <zl2aaa@...>
To: <acom@...>
Sent: Wednesday, August 08, 2012 1:54 PM
Subject: acom 1000

> Hi Stan I have Acom 1000 serial number 040440 which has developed a
> terrible hum on the signal and is most pronounced when you stop
> speaking.Is this a known problem ?Thanks Morrie ZL2AAA

5038. ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 00:54:27 UTC
From: Michael Raskin
Topic: 5038 Message: 5038

With Tropical Storm Isaac in Florida, came power outages. My ACOM was on-line when the power went off. Several days later, when I tried to turn it on, I got the following message: BIAS TOO LOW AT POWER ON: -63V. The recommendations show: OFF5; CCC. I did that. I even unplugged the amp from the mains - still no joy. Any suggestions on how to proceed?

Mike, W4UM

[Non-text portions of this message have been removed]

5039. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 08:34:17 UTC
From: Ivan
Topic: 5038 Message: 5039

See the fuses !!
73´s Ivan EA8YG

El 29/08/2012 1:54, Michael Raskin escribió:
>
> With Tropical Storm Isaac in Florida, came power outages. My ACOM was
> on-line when the power went off. Several days later, when I tried to
> turn it on, I got the following message: BIAS TOO LOW AT POWER ON:
> -63V. The recommendations show: OFF5; CCC. I did that. I even
> unplugged the amp from the mains - still no joy. Any suggestions on
> how to proceed?
>
> Mike, W4UM
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5040. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 11:51:27 UTC
From: kg4lru@aol.com
Topic: 5038 Message: 5040

I have had a power failure with my amp on ,which caused the memory chip to go bad. It took out my call sign I was still able to get it power up. The Fix was to replace the chip in the control head . This fault your getting is common when a tube go's bad or theirs a problem on Low voltage side of the power supply . If you getting around 4000 hours or so you could have several thing that gone bad . Start by looking at the voltages on the tube .And check your line voltage . BY the way my Acom has over 10000 hours on it ,I also have the 1000 . Needless to say I believe that Acom makes a great product ,with the exception their antenna switches are not Very good .

73

Phil AI4DQ

In a message dated 8/29/2012 4:35:01 A.M. Eastern Daylight Time, ea8yg@... writes:

See the fuses !!
73´s Ivan EA8YG

El 29/08/2012 1:54, Michael Raskin escribió:
>
> With Tropical Storm Isaac in Florida, came power outages. My ACOM was
> on-line when the power went off. Several days later, when I tried to
> turn it on, I got the following message: BIAS TOO LOW AT POWER ON:
> -63V. The recommendations show: OFF5; CCC. I did that. I even
> unplugged the amp from the mains - still no joy. Any suggestions on
> how to proceed?
>
> Mike, W4UM
>
> [Non-text portions of this message have been removed]
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>

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[Non-text portions of this message have been removed]

5041. RE: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 11:55:39 UTC
From: Kjeld Holm
Topic: 5038 Message: 5041

Dear Phil,

I am just curious: what do you dislike about the Acom antenna switch?

Best regards

OZ1CCM Kjeld

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kg4lru@...
Sent: 29. august 2012 13:51
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

I have had a power failure with my amp on ,which caused the memory chip
to go bad. It took out my call sign I was still able to get it power up. The
Fix was to replace the chip in the control head . This fault your getting
is common when a tube go's bad or theirs a problem on Low voltage side of
the power supply . If you getting around 4000 hours or so you could have
several thing that gone bad . Start by looking at the voltages on the tube
.And check your line voltage . BY the way my Acom has over 10000 hours on
it ,I also have the 1000 . Needless to say I believe that Acom makes a great
product ,with the exception their antenna switches are not Very good .

73

Phil AI4DQ

In a message dated 8/29/2012 4:35:01 A.M. Eastern Daylight Time,
ea8yg@... <mailto:ea8yg%40siem.es> writes:

See the fuses !!
73´s Ivan EA8YG

El 29/08/2012 1:54, Michael Raskin escribió:
>
> With Tropical Storm Isaac in Florida, came power outages. My ACOM was
> on-line when the power went off. Several days later, when I tried to
> turn it on, I got the following message: BIAS TOO LOW AT POWER ON:
> -63V. The recommendations show: OFF5; CCC. I did that. I even
> unplugged the amp from the mains - still no joy. Any suggestions on
> how to proceed?
>
> Mike, W4UM
>
> [Non-text portions of this message have been removed]
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>

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[Non-text portions of this message have been removed]

5042. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 15:16:41 UTC
From: kg4lru@aol.com
Topic: 5038 Message: 5042

There first generation switch has had issues with the relays staying closed resulting poor contact and not able to make more than a few years , the first couple years it was covered and repaired twice . Its slick package that should be non issue but after a few years the contacts start to drop out and receiver sensitivity goes away . I talked with someone at Dayton and had some great lip service on emails . But did really get resolution to repair the problem ,9 position switch got 4 left that still work . I been told the new switch is different . I thought it was pricey at 500.00 Now there over 800.00 Guess I Should bought DX engineering switch . Save your money the amp is great switch was disappointment . I had two of these bought just have one left and they both failed .

73

Phil AI4DQ

In a message dated 8/29/2012 7:55:48 A.M. Eastern Daylight Time, kh@... writes:

Dear Phil,

I am just curious: what do you dislike about the Acom antenna switch?

Best regards

OZ1CCM Kjeld

From: _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com) [mailto:_acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com)] On Behalf Of _kg4lru@..._ (mailto:kg4lru@...)
Sent: 29. august 2012 13:51
To: _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com)
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

I have had a power failure with my amp on ,which caused the memory chip to go bad. It took out my call sign I was still able to get it power up. The
Fix was to replace the chip in the control head . This fault your getting is common when a tube go's bad or theirs a problem on Low voltage side of the power supply . If you getting around 4000 hours or so you could have several thing that gone bad . Start by looking at the voltages on the tube .And check your line voltage . BY the way my Acom has over 10000 hours on it ,I also have the 1000 . Needless to say I believe that Acom makes a great
product ,with the exception their antenna switches are not Very good .

73

Phil AI4DQ

In a message dated 8/29/2012 4:35:01 A.M. Eastern Daylight Time,
_ea8yg@..._ (mailto:ea8yg@...) <mailto:ea8yg%40siem.es> writes:

See the fuses !!
73´s Ivan EA8YG

El 29/08/2012 1:54, Michael Raskin escribió:
>
> With Tropical Storm Isaac in Florida, came power outages. My ACOM was
> on-line when the power went off. Several days later, when I tried to
> turn it on, I got the following message: BIAS TOO LOW AT POWER ON:
> -63V. The recommendations show: OFF5; CCC. I did that. I even
> unplugged the amp from the mains - still no joy. Any suggestions on
> how to proceed?
>
> Mike, W4UM
>
> [Non-text portions of this message have been removed]
>
>

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5043. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 16:05:46 UTC
From: Michael Raskin
Topic: 5038 Message: 5043

Main fuses check OK - are there other fuses I should check?

----- Original Message -----
From: Ivan
To: acom-list@yahoogroups.com
Sent: Wednesday, August 29, 2012 4:34 AM
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

See the fuses !!
73´s Ivan EA8YG

El 29/08/2012 1:54, Michael Raskin escribió:
>
> With Tropical Storm Isaac in Florida, came power outages. My ACOM was
> on-line when the power went off. Several days later, when I tried to
> turn it on, I got the following message: BIAS TOO LOW AT POWER ON:
> -63V. The recommendations show: OFF5; CCC. I did that. I even
> unplugged the amp from the mains - still no joy. Any suggestions on
> how to proceed?
>
> Mike, W4UM
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5044. RE: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 17:16:53 UTC
From: N2TK, Tony
Topic: 5038 Message: 5044

Mike,

It could be the bias supply is bad. Historically C2 on the LV PCB goes bad and the bias voltage drops which gives a Bias Too Low alarm. Voltage should be up around -120 to -132V.

If you feel comfortable testing the amp I can send you instructions from the factory on testing for the bias voltage. If you don't feel comfortable doing that, Array Solutions does a good job.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Michael Raskin
Sent: Tuesday, August 28, 2012 8:54 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A - Troubleshooting

With Tropical Storm Isaac in Florida, came power outages. My ACOM was on-line when the power went off. Several days later, when I tried to turn it on, I got the following message: BIAS TOO LOW AT POWER ON: -63V. The recommendations show: OFF5; CCC. I did that. I even unplugged the amp from the mains - still no joy. Any suggestions on how to proceed?

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5045. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 19:07:15 UTC
From: IVAN
Topic: 5038 Message: 5045

Hi Mike,
I say de inner fuses that are behind the big transformer not the out
fuses in the rear panel.
73´s Ivan EA8YG

El 29/08/2012 17:05, Michael Raskin escribió:
>
> Main fuses check OK - are there other fuses I should check?
>
> ----- Original Message -----
> From: Ivan
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Sent: Wednesday, August 29, 2012 4:34 AM
> Subject: Re: [acom-list] ACOM 2000A - Troubleshooting
>
> See the fuses !!
> 73´s Ivan EA8YG
>
> El 29/08/2012 1:54, Michael Raskin escribió:
> >
> > With Tropical Storm Isaac in Florida, came power outages. My ACOM was
> > on-line when the power went off. Several days later, when I tried to
> > turn it on, I got the following message: BIAS TOO LOW AT POWER ON:
> > -63V. The recommendations show: OFF5; CCC. I did that. I even
> > unplugged the amp from the mains - still no joy. Any suggestions on
> > how to proceed?
> >
> > Mike, W4UM
> >
> > [Non-text portions of this message have been removed]
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> >
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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>

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5046. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-08-29 19:46:27 UTC
From: Michael Raskin
Topic: 5038 Message: 5046

Hi Tony - Yes, please send me the instructions. Just got off the phone with Jay and he concurs that the Low Voltage Board is the most likely culprit. Unfortunately, I'm leaving in a few hours and won't be able to pull the board until next week.

----- Original Message -----
From: N2TK, Tony
To: acom-list@yahoogroups.com
Sent: Wednesday, August 29, 2012 1:16 PM
Subject: RE: [acom-list] ACOM 2000A - Troubleshooting

Mike,

It could be the bias supply is bad. Historically C2 on the LV PCB goes bad and the bias voltage drops which gives a Bias Too Low alarm. Voltage should be up around -120 to -132V.

If you feel comfortable testing the amp I can send you instructions from the factory on testing for the bias voltage. If you don't feel comfortable doing that, Array Solutions does a good job.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Michael Raskin
Sent: Tuesday, August 28, 2012 8:54 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A - Troubleshooting

With Tropical Storm Isaac in Florida, came power outages. My ACOM was on-line when the power went off. Several days later, when I tried to turn it on, I got the following message: BIAS TOO LOW AT POWER ON: -63V. The recommendations show: OFF5; CCC. I did that. I even unplugged the amp from the mains - still no joy. Any suggestions on how to proceed?

Mike, W4UM

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[Non-text portions of this message have been removed]

5047. ACOM 1010 - RTTY button does not limit

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-01 16:03:14 UTC
From: lledlow_jr
Topic: 5047 Message: 5047

All, I've been using my ACOM 1010 for a couple of years now for CW and SSB. Switched to RTTY this weekend and find the RTTY switch does not apparently limit output to 500W as I think the manual indicates it should. Any thoughts on this?

5048. No output, high bias

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-01 16:28:18 UTC
From: Hal Kennedy
Topic: 5047 Message: 5048

Before I open it up, wondering if anyone has a clue. One of my 2000As is acting up.

On start up a few days ago it threw a fault: "?? low bias." Can't remember the exact words. On the second try it started up and has been fine until this morning.

Now it has no output and the bias reads -127V without PTT (normal) and -105V with PTT pulled in (should be more like -57V). It band switches fine, but no ouput would be indicative of bias too high.

Both tubes were junk when they were installed 4 years ago. It could always be a tube, although it doesn't seem like it.

Hal N4GG

[Non-text portions of this message have been removed]

5049. RE: [acom-list] No output, high bias

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-01 17:30:42 UTC
From: Ron Castro
Topic: 5047 Message: 5049

Hal:

IIRC, -105 V bias is the normal condition when AMP KEY is triggered, but no RF is present. An RF sensor then moves the bias to -57 when it sees a small amount of RF, thus keeping the plate current lower between syllables in phone or key down times in CW. I sounds like the RF is not being seen by the sensor circuit. Maybe a shorted grid would do that. What kind of plate current, grid current, screen current and input SWR do you see?

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hal Kennedy
Sent: Saturday, September 01, 2012 9:28 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] No output, high bias

Before I open it up, wondering if anyone has a clue. One of my 2000As is acting up.

On start up a few days ago it threw a fault: "?? low bias." Can't remember the exact words. On the second try it started up and has been fine until this morning.

Now it has no output and the bias reads -127V without PTT (normal) and -105V with PTT pulled in (should be more like -57V). It band switches fine, but no ouput would be indicative of bias too high.

Both tubes were junk when they were installed 4 years ago. It could always be a tube, although it doesn't seem like it.

Hal N4GG

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5050. RE: [acom-list] No output, high bias

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-01 19:47:26 UTC
From: Hal Kennedy
Topic: 5047 Message: 5050

Have done some work. Replaced both tubes with known good ones and the amp is still sick. As it completes power up it faults off with "grid bias too low -XX volts."

I have seen XX as low as zero, but its usually around -25V.

Everything else looks normal. Screen voltage, plate current, filament voltage and currents all look okay. I need to go read the archives, but there is an electrolytic on the low voltage board that has failed on many of the early amps and this is an early one. Anyone know where I can get that cap? I think its rated around 325V.

Hal

N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: Saturday, September 01, 2012 1:31 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] No output, high bias

Hal:

IIRC, -105 V bias is the normal condition when AMP KEY is triggered, but no RF is present. An RF sensor then moves the bias to -57 when it sees a small amount of RF, thus keeping the plate current lower between syllables in phone or key down times in CW. I sounds like the RF is not being seen by the sensor circuit. Maybe a shorted grid would do that. What kind of plate current, grid current, screen current and input SWR do you see?

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
Of Hal Kennedy
Sent: Saturday, September 01, 2012 9:28 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] No output, high bias

Before I open it up, wondering if anyone has a clue. One of my 2000As is acting up.

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Hal N4GG

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[Non-text portions of this message have been removed]

5051. RE: [acom-list] No output, high bias

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-01 22:31:42 UTC
From: Ron Castro
Topic: 5047 Message: 5051

I ran into the same low bias reading, and it turned out to be one of the little interlock switches on the chassis that was slightly out of adjustment. It looked like it was right, but was missing its closure by about 1/32". A quick bend fixed the problem. It's surprising there isn't an "interlock fault" indicator...instead it shows as low grid bias. It's a long shot, but worth checking!

The bias power supply cap is a good suspect. Keep in mind that the if the bias reads low, it could be because the bias is low, or that the sensor circuit thinks the bias is low and it's not. I bring this up because that also happened in my 2000A...it turned out to be a cold solder joint along the line that measures the bias voltage and signals the CPU. Also, check the bias measurement calibration pot which might be dirty.

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hal Kennedy
Sent: Saturday, September 01, 2012 12:47 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] No output, high bias

Have done some work. Replaced both tubes with known good ones and the amp is still sick. As it completes power up it faults off with "grid bias too low -XX volts."

I have seen XX as low as zero, but its usually around -25V.

Everything else looks normal. Screen voltage, plate current, filament voltage and currents all look okay. I need to go read the archives, but there is an electrolytic on the low voltage board that has failed on many of the early amps and this is an early one. Anyone know where I can get that cap? I think its rated around 325V.

Hal

N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro

Sent: Saturday, September 01, 2012 1:31 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] No output, high bias

Hal:

IIRC, -105 V bias is the normal condition when AMP KEY is triggered, but no RF is present. An RF sensor then moves the bias to -57 when it sees a small amount of RF, thus keeping the plate current lower between syllables in phone or key down times in CW. I sounds like the RF is not being seen by the sensor circuit. Maybe a shorted grid would do that. What kind of plate current, grid current, screen current and input SWR do you see?

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf Of Hal Kennedy
Sent: Saturday, September 01, 2012 9:28 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] No output, high bias

Before I open it up, wondering if anyone has a clue. One of my 2000As is acting up.

On start up a few days ago it threw a fault: "?? low bias." Can't remember the exact words. On the second try it started up and has been fine until this morning.

Now it has no output and the bias reads -127V without PTT (normal) and -105V with PTT pulled in (should be more like -57V). It band switches fine, but no ouput would be indicative of bias too high.

Both tubes were junk when they were installed 4 years ago. It could always be a tube, although it doesn't seem like it.

Hal N4GG

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Yahoo! Groups Links

5052. Re: Acom Hey

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-04 18:47:15 UTC
From: aa4nu@ix.netcom.com
Topic: 5052 Message: 5052

Acom you know you have to see what this is about youre invited http://t.co/C7f4etV0 now is the beginning of an exciting life for you if you take this opportunity

5053. Re: [acom-list] Re: Acom Hey

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-04 14:13:33 UTC
From: bill ny9h
Topic: 5052 Message: 5053

oops looks like someone's email address got snatched,....

I WOULD SUGGEST DO NOT CLICK ON THE LINK

At 02:47 PM 9/4/2012, aa4nu@... wrote:
>Acom you know you have to see what this is about youre invited
>http://t.co/C7f4etV0 now is the beginning of an exciting life for
>you if you take this opportunity
>
>
>
>------------------------------------
>
>Yahoo! Groups Links
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>

5054. RE: [acom-list] Re: Acom Hey

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-04 14:19:29 UTC
From: Kees - pa7two
Topic: 5052 Message: 5054

Why not? I always click on these kinda links, just for fun? I am running a Linux OS and am not scared of any virus / hacks / phishing / whatever related to the biggest virus ever named > Windows :-)

Now without joking: Be careful guys, could be a potential dangerous website (for Windows OS driven PCs that is :-) !

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com; acom-list@yahoogroups.com
From: ny9h@...
Date: Tue, 4 Sep 2012 10:13:33 -0400
Subject: Re: [acom-list] Re: Acom Hey

oops looks like someone's email address got snatched,....

I WOULD SUGGEST DO NOT CLICK ON THE LINK

At 02:47 PM 9/4/2012, aa4nu@... wrote:

>Acom you know you have to see what this is about youre invited

>http://t.co/C7f4etV0 now is the beginning of an exciting life for

>you if you take this opportunity

>

>

>

>------------------------------------

>

>Yahoo! Groups Links

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5055. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-07 21:00:26 UTC
From: Michael Raskin
Topic: 5038 Message: 5055

Tony - LV board is a "bear" to take out. C2 checks out fine, but D8 (24V Zener) is bad.

Mike, W4UM

----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com
Sent: Wednesday, August 29, 2012 3:46 PM
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

Hi Tony - Yes, please send me the instructions. Just got off the phone with Jay and he concurs that the Low Voltage Board is the most likely culprit. Unfortunately, I'm leaving in a few hours and won't be able to pull the board until next week.

----- Original Message -----
From: N2TK, Tony
To: acom-list@yahoogroups.com
Sent: Wednesday, August 29, 2012 1:16 PM
Subject: RE: [acom-list] ACOM 2000A - Troubleshooting

Mike,

It could be the bias supply is bad. Historically C2 on the LV PCB goes bad and the bias voltage drops which gives a Bias Too Low alarm. Voltage should be up around -120 to -132V.

If you feel comfortable testing the amp I can send you instructions from the factory on testing for the bias voltage. If you don't feel comfortable doing that, Array Solutions does a good job.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Michael Raskin
Sent: Tuesday, August 28, 2012 8:54 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A - Troubleshooting

With Tropical Storm Isaac in Florida, came power outages. My ACOM was on-line when the power went off. Several days later, when I tried to turn it on, I got the following message: BIAS TOO LOW AT POWER ON: -63V. The recommendations show: OFF5; CCC. I did that. I even unplugged the amp from the mains - still no joy. Any suggestions on how to proceed?

Mike, W4UM

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5056. Low LV

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-07 23:08:51 UTC
From: Hal Kennedy
Topic: 5038 Message: 5056

Currently working through this myself. I have a C2 cap and spares on order from Mouser - they will be here Monday and Ill see if that fixes it. After that, there is a varistor easily reached down at the tube sockets, that goes from the grids (in parallel) to ground. Those can get leaky or short. Mine is not shorted, but beyond that they are hard/easy to test. The easy way is to lift one end and turn on (but not operate) the Amp. If that's not it, then all the caps and zener diodes on the LV board will need to be checked. The LV supply doesn't have many parts..this is fixable.

73

Hal

N4GG

[Non-text portions of this message have been removed]

5057. RE: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-07 23:10:18 UTC
From: N2TK, Tony
Topic: 5038 Message: 5057

Interesting that it is the Zener that's bad. And yes, the board is a bear to take out.

GL

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Michael Raskin
Sent: Friday, September 07, 2012 5:00 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

Tony - LV board is a "bear" to take out. C2 checks out fine, but D8 (24V Zener) is bad.

Mike, W4UM

----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Sent: Wednesday, August 29, 2012 3:46 PM
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

Hi Tony - Yes, please send me the instructions. Just got off the phone with Jay and he concurs that the Low Voltage Board is the most likely culprit. Unfortunately, I'm leaving in a few hours and won't be able to pull the board until next week.

----- Original Message -----
From: N2TK, Tony
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Sent: Wednesday, August 29, 2012 1:16 PM
Subject: RE: [acom-list] ACOM 2000A - Troubleshooting

Mike,

It could be the bias supply is bad. Historically C2 on the LV PCB goes bad and the bias voltage drops which gives a Bias Too Low alarm. Voltage should be up around -120 to -132V.

If you feel comfortable testing the amp I can send you instructions from the factory on testing for the bias voltage. If you don't feel comfortable doing that, Array Solutions does a good job.

73,

N2TK, Tony

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
Of Michael Raskin
Sent: Tuesday, August 28, 2012 8:54 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A - Troubleshooting

With Tropical Storm Isaac in Florida, came power outages. My ACOM was
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on, I got the following message: BIAS TOO LOW AT POWER ON: -63V. The
recommendations show: OFF5; CCC. I did that. I even unplugged the amp from
the mains - still no joy. Any suggestions on how to proceed?

Mike, W4UM

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[Non-text portions of this message have been removed]

5058. Re: [acom-list] ACOM 2000A - Troubleshooting

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 00:04:46 UTC
From: Michael Raskin
Topic: 5038 Message: 5058

Also, C10 measures 28mf (as in micro-f) and should be 10 nf (as in nano-f).

----- Original Message -----
From: N2TK, Tony
To: acom-list@yahoogroups.com
Sent: Friday, September 07, 2012 7:10 PM
Subject: RE: [acom-list] ACOM 2000A - Troubleshooting

Interesting that it is the Zener that's bad. And yes, the board is a bear to take out.

GL

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Michael Raskin
Sent: Friday, September 07, 2012 5:00 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

Tony - LV board is a "bear" to take out. C2 checks out fine, but D8 (24V Zener) is bad.

Mike, W4UM

----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Sent: Wednesday, August 29, 2012 3:46 PM
Subject: Re: [acom-list] ACOM 2000A - Troubleshooting

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----- Original Message -----
From: N2TK, Tony
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Sent: Wednesday, August 29, 2012 1:16 PM
Subject: RE: [acom-list] ACOM 2000A - Troubleshooting

Mike,

It could be the bias supply is bad. Historically C2 on the LV PCB goes bad and the bias voltage drops which gives a Bias Too Low alarm. Voltage should be up around -120 to -132V.

If you feel comfortable testing the amp I can send you instructions from the factory on testing for the bias voltage. If you don't feel comfortable doing that, Array Solutions does a good job.

73,

N2TK, Tony

From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
Of Michael Raskin
Sent: Tuesday, August 28, 2012 8:54 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A - Troubleshooting

With Tropical Storm Isaac in Florida, came power outages. My ACOM was on-line when the power went off. Several days later, when I tried to turn it on, I got the following message: BIAS TOO LOW AT POWER ON: -63V. The recommendations show: OFF5; CCC. I did that. I even unplugged the amp from the mains - still no joy. Any suggestions on how to proceed?

Mike, W4UM

[Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5059. Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 00:44:05 UTC
From: Michael Raskin
Topic: 5059 Message: 5059

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

5060. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 00:46:41 UTC
From: Jim Cox
Topic: 5059 Message: 5060

What temperature does it reach? Jim K4JAF

From: Michael Raskin
Sent: Friday, September 07, 2012 7:44 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5061. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 00:51:28 UTC
From: David J. Strout
Topic: 5059 Message: 5061

I use it in all rtty contests and clean the fan filter before each contest!!
W2YC
----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com
Sent: Saturday, September 08, 2012 00:44
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5062. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 03:50:02 UTC
From: Michael Raskin
Topic: 5059 Message: 5062

Does it run continuously or can you shut it off? Did you install it yourself?

----- Original Message -----
From: David J. Strout
To: acom-list@yahoogroups.com
Sent: Friday, September 07, 2012 8:51 PM
Subject: Re: [acom-list] Optional Fan

I use it in all rtty contests and clean the fan filter before each contest!!
W2YC
----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com
Sent: Saturday, September 08, 2012 00:44
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5063. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 03:52:46 UTC
From: Michael Raskin
Topic: 5059 Message: 5063

7 bars

----- Original Message -----
From: Jim Cox
To: acom-list@yahoogroups.com
Sent: Friday, September 07, 2012 8:46 PM
Subject: Re: [acom-list] Optional Fan

What temperature does it reach? Jim K4JAF

From: Michael Raskin
Sent: Friday, September 07, 2012 7:44 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5064. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 03:52:44 UTC
From: David J. Strout
Topic: 5059 Message: 5064

I installed it after I bought my ACOM. Bought from
the factory. It runs continuosly whenever the amp
is fired up. A necessity for rtty especially.

----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com
Sent: Saturday, September 08, 2012 03:50
Subject: Re: [acom-list] Optional Fan

Does it run continuously or can you shut it off? Did you install it yourself?

----- Original Message -----
From: David J. Strout
To: acom-list@yahoogroups.com
Sent: Friday, September 07, 2012 8:51 PM
Subject: Re: [acom-list] Optional Fan

I use it in all rtty contests and clean the fan filter before each contest!!
W2YC
----- Original Message -----
From: Michael Raskin
To: acom-list@yahoogroups.com
Sent: Saturday, September 08, 2012 00:44
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5065. Re: ACOM 1010 - RTTY button does not limit

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 04:00:50 UTC
From: lledlow_jr
Topic: 5047 Message: 5065

Yeah, I thought so.

NIL. 73 all

--- In acom-list@yahoogroups.com, "lledlow_jr" <kl2r@...> wrote:
>
> All, I've been using my ACOM 1010 for a couple of years now for CW and SSB. Switched to RTTY this weekend and find the RTTY switch does not apparently limit output to 500W as I think the manual indicates it should. Any thoughts on this?
>

5066. RE: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 07:34:10 UTC
From: Máximo EA1DDO_HK1H
Topic: 5059 Message: 5066

Hi Mike,

Yes, it helps a lot.
Installation is very easy. Fan is normalizased size, it is standard.

There is a document in the FILES section of this group.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: rask1553@...
Date: Fri, 7 Sep 2012 20:44:05 -0400
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5067. Acom 1000 Autoprotect PN07 at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 09:37:44 UTC
From: Steve
Topic: 5067 Message: 5067

Just replaced the HV transformer in the amp,not a difficult process and less than an hour. Unfortunately this has not cured the fault which indicates that HV is low at switch on.Back to emailing Acom for more assistance on this one.Once its sorted I shall report back.
73 Steve G8LIK

5068. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 12:57:37 UTC
From: Jim Cox
Topic: 5059 Message: 5068

7 bars doesn’t help very much. Go into the Info section of the menu and get the temperatures for the r and l tubes. Unless your running a very long key down RTTY type operation, you don’t need the extra fan. Jim K4JAF

From: Michael Raskin
Sent: Friday, September 07, 2012 10:52 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Optional Fan

7 bars

----- Original Message -----
From: Jim Cox
To: mailto:acom-list%40yahoogroups.com
Sent: Friday, September 07, 2012 8:46 PM
Subject: Re: [acom-list] Optional Fan

What temperature does it reach? Jim K4JAF

From: Michael Raskin
Sent: Friday, September 07, 2012 7:44 PM
To: mailto:acom-list%40yahoogroups.com
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5069. Re: [acom-list] Optional Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-08 16:17:55 UTC
From: Unit365
Topic: 5059 Message: 5069

Hi
I suggest to install the extra fan all the time, even if you do only SSB.
More is cooler , better it is.
I've installed a 12v computer fan, not expensive easy to do.
Just put or ask the extra fan when you buy the amp.
This should be installed by acom without being an option.
7 bars is around 70°c
here bars are nearly the temp i read in info.
73
Olivier F4FQH
From: Jim Cox
Sent: Saturday, September 08, 2012 2:57 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Optional Fan

7 bars doesn't help very much. Go into the Info section of the menu and get the temperatures for the r and l tubes. Unless your running a very long key down RTTY type operation, you don't need the extra fan. Jim K4JAF

From: Michael Raskin
Sent: Friday, September 07, 2012 10:52 PM
To: mailto:acom-list%40yahoogroups.com
Subject: Re: [acom-list] Optional Fan

7 bars

----- Original Message -----
From: Jim Cox
To: mailto:acom-list%40yahoogroups.com
Sent: Friday, September 07, 2012 8:46 PM
Subject: Re: [acom-list] Optional Fan

What temperature does it reach? Jim K4JAF

From: Michael Raskin
Sent: Friday, September 07, 2012 7:44 PM
To: mailto:acom-list%40yahoogroups.com
Subject: [acom-list] Optional Fan

Is anyone using the optional fan? When doing RTTY contests, the amp gets very hot. Seems that the fan would help with cooling.

Mike, W4UM

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[Non-text portions of this message have been removed]

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5070. ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-09 15:33:20 UTC
From: rcktscientist64
Topic: 5070 Message: 5070

My ACOM 2000A amplifier is putting out 1.22kW with only 8 watts drive. I am not getting any error messages on the remote. Any idea what might be wrong?

Bruce - K5WBM

5071. Re: [acom-list] ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-09 15:35:34 UTC
From: paul glassman
Topic: 5070 Message: 5071

if its a.m. that is about right.

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

_____
From: rcktscientist64 <bruce.mclain@...>
To: acom-list@yahoogroups.com
Sent: Sunday, September 9, 2012 11:33 AM
Subject: [acom-list] ACOM 2000A excessive drive

My ACOM 2000A amplifier is putting out 1.22kW with only 8 watts drive. I am not getting any error messages on the remote. Any idea what might be wrong?

Bruce - K5WBM

[Non-text portions of this message have been removed]

5072. Re: [acom-list] ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-09 15:36:28 UTC
From: bill ny9h
Topic: 5070 Message: 5072

input swampers are not swamping ???

At 11:33 AM 9/9/2012, rcktscientist64 wrote:
>My ACOM 2000A amplifier is putting out 1.22kW with only 8 watts
>drive. I am not getting any error messages on the remote. Any idea
>what might be wrong?
>
>Bruce - K5WBM
>
>
>
>------------------------------------
>
>Yahoo! Groups Links
>
>
>

5073. RE: [acom-list] ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-09 15:51:31 UTC
From: Hal Kennedy
Topic: 5070 Message: 5073

That's a gain of over 100 which is close to impossible, even with grid driven tetrodes and no cathode resistors. Time to check the wattmeters.

N4GG

My ACOM 2000A amplifier is putting out 1.22kW with only 8 watts drive. I am not getting any error messages on the remote. Any idea what might be wrong?

Bruce - K5WBM

[Non-text portions of this message have been removed]

5074. Re: ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-10 15:28:16 UTC
From: Norman
Topic: 5070 Message: 5074

Bruce,

As others have said, that kind of gain is not possible. If you are using the Amplifier built in watt meter I would suspect some kind of failure in those circuits. I would use an external watt meter to verify the numbers.

Norm W4QN

>
>
> Â
> My ACOM 2000A amplifier is putting out 1.22kW with only 8 watts drive. I am not getting any error messages on the remote. Any idea what might be wrong?
>
> Bruce - K5WBM
>
>

5075. RE: [acom-list] ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-10 16:05:45 UTC
From: k6nd
Topic: 5070 Message: 5075

Check SWR between transceiver and amplifier.

There is 50Ohms resistor on amplifier input.

If this resistor is bad you can have this output with small drive but
SWR between transceiver and Amplifier input will be HIGH

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
Behalf Of rcktscientist64
Sent: Sunday, September 09, 2012 11:33 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A excessive drive

My ACOM 2000A amplifier is putting out 1.22kW with only 8 watts drive. I
am not getting any error messages on the remote. Any idea what might be
wrong?

Bruce - K5WBM

[Non-text portions of this message have been removed]

5076. Re: Acom 1000 Autoprotect PN07 at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-10 17:57:23 UTC
From: bob.g4hzv@gmail.com
Topic: 5067 Message: 5076

Steve,

Is the metering correct? I had a similar problem on my 1000 that caused it to trip because it thought the HT was too high. Ron's man eventually tracked it down to an A/D reference error on the processor board. If you can, check other readings, like the temperature and see if they're low, because a reference error will affect everything.

Good luck, 73 Bob

--- In acom-list@yahoogroups.com, "Steve" <stevehurstg8lik2003@...> wrote:
>
> Just replaced the HV transformer in the amp,not a difficult process and less than an hour. Unfortunately this has not cured the fault which indicates that HV is low at switch on.Back to emailing Acom for more assistance on this one.Once its sorted I shall report back.
> 73 Steve G8LIK
>

5077. Re: Acom 1000 Autoprotect PN07 at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-11 10:02:11 UTC
From: Steve
Topic: 5067 Message: 5077

Bob unfortunately as the amp trips immediately upon pressing 'operate' its not possible to view metering such as HT.All I can view are the error numbers in the turned off state after the trip. Stan at Acom has come up with a suggested way forward injecting 24V ac into the rectifier chain and making measuremnts but Im thinking there may be an issue in the HT voltage divider chain on the rectifier board but have not had time to fully investigate what could be a leaky zener or capacitor.Will report back in due course.
73 Steve

--- In acom-list@yahoogroups.com, bob.g4hzv@... wrote:
>
> Steve,
>
> Is the metering correct? I had a similar problem on my 1000 that caused it to trip because it thought the HT was too high. Ron's man eventually tracked it down to an A/D reference error on the processor board. If you can, check other readings, like the temperature and see if they're low, because a reference error will affect everything.
>
> Good luck, 73 Bob
>

5078. Re: Acom 1000 Autoprotect PN07 at startup FIXED

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-11 17:02:34 UTC
From: Steve
Topic: 5067 Message: 5078

Problem solved and with hindsight quite simple.
It was a leaky D6 (4.7V zener) on the HV sampling/rectifier board.This was dragging down the sample from the 3KV DC and causing the trip.
Faith in Acom 1000 transformers has been restored.......

73 to all,

Steve G8LIK

5079. Re: ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-11 18:54:26 UTC
From: Bruce McLain
Topic: 5070 Message: 5079

I measured the swamping resistor by disconnecting the input coax and measuring the resistance across the input PL259 with the PTT shorted. It measured 50.1 ohms. The transceiver SWR is very low as well.

I sent a continuous tone to the amp while taking the power readings.

I verified the amp output with a LP100A external wattmeter as well as the LED display on the RCU. The interesting thing I have found so far is the RCU LED forward power display doesn't match the FWD-P reading In the measure mode of the RCU. The LED's and the external wattmeter match but the measured reading is about half of the other two.

Bruce McLain - K5WBM
Sent from my iPad

5080. Re: Acom 1000 Autoprotect PN07 at startup FIXED

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-12 13:19:47 UTC
From: g4hzv
Topic: 5067 Message: 5080

Brilliant Steve, I'll remember that. My 1000 is 11 years old.

73 Bob

--- In acom-list@yahoogroups.com, "Steve" <stevehurstg8lik2003@...> wrote:
>
>
>
>
> Problem solved and with hindsight quite simple.
> It was a leaky D6 (4.7V zener) on the HV sampling/rectifier board.This was dragging down the sample from the 3KV DC and causing the trip.
> Faith in Acom 1000 transformers has been restored.......
>
> 73 to all,
>
> Steve G8LIK
>

5081. Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-14 22:53:18 UTC
From: ** N8NOE **
Topic: 5081 Message: 5081

Hey All, Turned the Amp on today after work and after a min or so,
The HEATER light flashed and about 30--45sec. later again..
Never seen this and don't see any information..
The TEMP on the Graph looks fine and it's not Cold/Hot in here..
Jeff-N8NOE

5082. Re: Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-14 22:54:16 UTC
From: ** N8NOE **
Topic: 5081 Message: 5082

Sorry, Didn't think.. ACOM 2000A Amp...

--- In acom-list@...m, "** N8NOE **" <N8NOE@...> wrote:
>
> Hey All, Turned the Amp on today after work and after a min or so,
> The HEATER light flashed and about 30--45sec. later again..
> Never seen this and don't see any information..
> The TEMP on the Graph looks fine and it's not Cold/Hot in here..
> Jeff-N8NOE
>

5083. RE: [acom-list] Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-14 23:15:28 UTC
From: Hal Kennedy
Topic: 5081 Message: 5083

Heater light saying the heater voltage is a little high or low. Typically not an issue. Check your mains voltage. Unusually high or low?

N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ** N8NOE **
Sent: Friday, September 14, 2012 6:53 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Question: Flashing Heater?

Hey All, Turned the Amp on today after work and after a min or so,
The HEATER light flashed and about 30--45sec. later again..
Never seen this and don't see any information..
The TEMP on the Graph looks fine and it's not Cold/Hot in here..
Jeff-N8NOE

[Non-text portions of this message have been removed]

5084. Re: [acom-list] Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-15 00:34:46 UTC
From: Joel Kornreich
Topic: 5081 Message: 5084

Hal,
After you check the line voltage and see that it's with specs here is something else to look for.... Make sure the line voltage matches the RCU reading to be the same. If the line voltage is different and the RCU reads higher this can be adjusted by RP13 (line) on the board interface. A higher reading on the RCU will flash but will not hurt the amplifier. Joel, K2QBV

On Fri, Sep 14, 2012 at 7:15 PM, Hal Kennedy <halken@...> wrote:

> **
>
>
> Heater light saying the heater voltage is a little high or low. Typically
> not an issue. Check your mains voltage. Unusually high or low?
>
> N4GG
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of ** N8NOE **
> Sent: Friday, September 14, 2012 6:53 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Question: Flashing Heater?
>
> Hey All, Turned the Amp on today after work and after a min or so,
> The HEATER light flashed and about 30--45sec. later again..
> Never seen this and don't see any information..
> The TEMP on the Graph looks fine and it's not Cold/Hot in here..
> Jeff-N8NOE
>
> [Non-text portions of this message have been removed]
>
>
>

[Non-text portions of this message have been removed]

5085. Re: Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-15 17:18:11 UTC
From: ** N8NOE **
Topic: 5081 Message: 5085

THANKS Guys, I was worried Something was amiss here..
For some reason we have had a bit of trouble with "DIRTY" Voltage in this area all of a sudden, so I'll check into that ASAP!..
I have Everything in the room on Battery Backups, except the AMP/Radio as they have way too much draw (IC-7700 200W).
THANKS again, and as long as there is nothing "Damage wise" I can try and get NH8S today..
Jeff-N8NOE

--- In acom-list@yahoogroups.com, Joel Kornreich <k2qbv2@...> wrote:
>
> *Hal,*
> *After you check the line voltage and see that it's with specs here is
> something else to look for.... Make sure the line voltage matches the RCU
> reading to be the same. If the line voltage is different and the RCU reads
> higher this can be adjusted by RP13 (line) on the board interface. A
> higher reading on the RCU will flash but will not hurt the amplifier. Joel,
> K2QBV*
>
> On Fri, Sep 14, 2012 at 7:15 PM, Hal Kennedy <halken@...> wrote:
>
> > **
> > >
> > >
> > Heater light saying the heater voltage is a little high or low. Typically
> > not an issue. Check your mains voltage. Unusually high or low?
> > >
> > N4GG
> > >
> > >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> > Behalf
> > Of ** N8NOE **
> > Sent: Friday, September 14, 2012 6:53 PM
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] Question: Flashing Heater?
> > >
> > Hey All, Turned the Amp on today after work and after a min or so,
> > The HEATER light flashed and about 30--45sec. later again..
> > Never seen this and don't see any information..
> > The TEMP on the Graph looks fine and it's not Cold/Hot in here..
> > Jeff-N8NOE
> > >
> > [Non-text portions of this message have been removed]
> > >

> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5086. Re: Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-15 17:22:07 UTC
From: kamarty456
Topic: 5081 Message: 5086

The heater LED flashing provides information regarding two
parameters.

1. heater voltage problem...usually too high..intermittent flashing
2. 240VAC line voltage too high..LED flashes rapidly.

The ACOM 2000A heater voltage range is in your operating manual
under specifications..My 2000A typically is 13.2V-13.3V

Measure the 240VAC line voltage coming into your shack
DO NOT RELY upon what the RCU displays...mine was almost 5VAC off

Typical 240VAC line is +/- 5% -or- 228VAC low end 252VAC high end

Your local power company may boost your 240VAC line during times of high demand...
I strongly suggest you get an outboard line monitor.

If you determine the ACOM line voltage display is different than
your measurement you can adjust it.

At this time I forget the specific pot to adjust but it's on the
control board. That's the board behind the front panel.
A quick check of the schematic will direct you to the specific pot.

How many hours do you have on your tubes?

Martin KA7GKN

--- In acom-list@yahoogroups.com, "** N8NOE **" <N8NOE@...> wrote:
>
> Hey All, Turned the Amp on today after work and after a min or so,
> The HEATER light flashed and about 30--45sec. later again..
> Never seen this and don't see any information..
> The TEMP on the Graph looks fine and it's not Cold/Hot in here..
> Jeff-N8NOE
>

5087. gu74b for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-16 09:24:48 UTC
From: Desloovere Dirk
Topic: 5087 Message: 5087

Hallo

I have several gu74b (nos) tubes for sale

1 pair macthed code 88/19 and 91/03 : preheated, selected for matching and tested +1,5 kW out

1 X code 00/11 (fabrication 2000) pre heated, ready to use

1 94/01 pre heated , ready to use

1 x 86/02 pre heated , tested at 1 kw

more info : direct email on4ct at telenet.be

73
Dirk
on4ct

5088. Re: Question: Flashing Heater?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-16 13:08:28 UTC
From: ** N8NOE **
Topic: 5081 Message: 5088

Martin;
THANKS for the Added information..
I'll look into some Outboard monitor, may have something at work.
As for Hours, well maybe 30/50hrs..
Got it at the end of last year, and the Summer here was (Lets say warm) for Michigan and the added HEAT in here wasn't needed. We have been having some Poor Power Condition here and think that was a BIG problem. I had it on Yesterday (Trying to get NH8S in the LOG) and saw Zero issues. As per your Note it would have been Heater Voltage as it was not flashing Rapidly, so may be worth a good look, and could most likely need a good Dusting just sitting all summer?..
THANKS..
Jeff-N8NOE

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> The heater LED flashing provides information regarding two
> parameters.
>
> 1. heater voltage problem...usually too high..intermittent flashing
> 2. 240VAC line voltage too high..LED flashes rapidly.
>
> The ACOM 2000A heater voltage range is in your operating manual
> under specifications..My 2000A typically is 13.2V-13.3V
>
> Measure the 240VAC line voltage coming into your shack
> DO NOT RELY upon what the RCU displays...mine was almost 5VAC off
>
> Typical 240VAC line is +/- 5% -or- 228VAC low end 252VAC high end
>
> Your local power company may boost your 240VAC line during times of high demand...
> I strongly suggest you get an outboard line monitor.
>
> If you determine the ACOM line voltage display is different than
> your measurement you can adjust it.
>
> At this time I forget the specific pot to adjust but it's on the
> control board. That's the board behind the front panel.
> A quick check of the schematic will direct you to the specific pot.
>
> How many hours do you have on your tubes?
>
>
> Martin KA7GKN
>
>

>
>
>
> --- In acom-list@yahoogroups.com, "** N8NOE **" <N8NOE@> wrote:
> >
> > Hey All, Turned the Amp on today after work and after a min or so,
> > The HEATER light flashed and about 30--45sec. later again..
> > Never seen this and don't see any information..
> > The TEMP on the Graph looks fine and it's not Cold/Hot in here..
> > Jeff-N8NOE
> >
>

5089. Need to change 2000A for 220V mains

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-18 13:29:02 UTC
From: pp5ms@pp5ms.com
Topic: 5089 Message: 5089

I need to change the mains on one ACOM-2000A to 220 Volts operation. I see two 220 Volts configurations and would like to know the difference between these to positions.

Is one for single fase and the other for two fase mains?

Here I have a single fase 220 Volts (only one fase and the neutral)

Whitch configuration is the correct one for me?

Thank you for any help.

73,
Marcus - PP5MS

5090. Acom 2000A Fault: DEFAULT CHECK VSWR PLEASE REMOVE DRIVE

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-22 19:36:16 UTC
From: Dave Hawes
Topic: 5090 Message: 5090

I was experiencing the "BIAS TOO LOW AT POWER ON -0.000V" error message when turning the amplifier on. I took the front panel off, measured the bias voltages, which looked good, so I replaced the tubes. The amplifier then completed the power on cycle.

While I had the front panel off (but before testing the replaced tubes), I preemtively replaced the vacuum relay, as I was getting a sporatic soft fault with error message indicating a problem with the vacuum relay. I have seen these before, and have replaced the relay several times.

Everything seems to work properly with the amplifier at this point, except one thing: I can't "AUTO TUNE." If I try, it seems to do the proper job, but then gives me a soft fault with the following error message:

DEFAULT CHECK VSWR
PLEASE REMOVE DRIVE

The amp's power meter is properly reading reflected and forward power, and I am getting decent output, but attempts to AUTO TUNE are unsuccessful.

Any ideas?

73 - Dave N3RD

[Non-text portions of this message have been removed]

5091. Re: Acom 2000A Fault: DEFAULT CHECK VSWR PLEASE REMOVE DRIVE

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-23 18:20:39 UTC
From: dickgreen03755
Topic: 5090 Message: 5091

Hi Dave,

The manual indicates that when you get the error message DEFAULT: CHECK VSWR it means that the auto tune can't find an acceptable match, either due to high VSWR or unstable drive power.

When troubleshooting, I always look to the latest problems and changes. You replaced the tubes because of a bias problem and you changed the relay. Those are the places I'd start.

A bad relay contact or maybe even bad wiring or soldering to the posts could cause the tubes to see high VSWR, but that seems unlikely because the amp works OK with previously stored tuning parameters and I assume you aren't seeing excessive or unexpected reflected power when you transmit at full power. Further, the wattmeter comes after the relay, so I don't think it would show high VSWR if the relay contacts were bad.

That leaves the bias problem. It's conceivable that there's something wrong with that circuit, and that replacing the tubes didn't really fix it. If you followed procedure and readjusted the bias when you changed the tubes, you may have simply changed the symptoms of the problem. It's possible that the bias voltage is now unstable at low drive levels, which in turn causes the output power to fluctuate and the auto tune to fail.

Just guessing here, but those are my thoughts. I have a feeling that an email to the factory will be your shortest path to a resolution.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "Dave Hawes" <dave.n3rd@...> wrote:
>
> I was experiencing the "BIAS TOO LOW AT POWER ON -0.000V" error
> message when turning the amplifier on. I took the front panel off, measured
> the bias voltages, which looked good, so I replaced the tubes. The amplifier
> then completed the power on cycle.
>
> While I had the front panel off (but before testing the replaced tubes), I
> preemtively replaced the vacuum relay, as I was getting a sporatic soft fault
> with error message indicating a problem with the vacuum relay. I have seen
> these before, and have replaced the relay several times.
>
> Everything seems to work properly with the amplifier at this point, except one
> thing: I can't "AUTO TUNE." If I try, it seems to do the proper job, but then
> gives me a soft fault with the following error message:
>
> DEFAULT CHECK VSWR
> PLEASE REMOVE DRIVE
>

> The amp's power meter is properly reading reflected and forward power, and I
> am getting decent output, but attempts to AUTO TUNE are unsuccessful.
>
> Any ideas?
>
> 73 - Dave N3RD
>
>
> [Non-text portions of this message have been removed]
>

5092. Re: [acom-list] Re: Acom 2000A Fault: DEFAULT CHECK VSWR PLEASE REMOVE DRIVE

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-23 18:51:47 UTC
From: Dave Hawes
Topic: 5090 Message: 5092

Hi Dick,

I took the lid off to inspect the soldering job on the relay, and as expected, it was satisfactory, which left the tubes. Hal, N4GG, informed me that he had a tube(s) that worked OK, but the amp would not AUTO TUNE, and it was fixed by replacement of the bad tube(s). I had another spare set of tubes, so I swapped them out, and the amplifier is now working properly.

This means to me that of the four tubes NOT in the amplifier, I have at least two bad tubes. One set was giving me the BIAS error, and the second set was giving me the AUTO TUNE problem. So, I have to take some time and swap one tube at a time to see if I can isolate the two bad ones.

It would be great if there were some facility here in the states that would test tubes for you. In the old days, if you were an Alpha owner, ETO would test your tubes for a nominal price. Does anybody know of a place that would test GU74Bs?

Thanks, Dick, for your suggestions.

73 - Dave

On 23 Sep 2012 at 18:20, dickgreen03755 wrote:

> Hi Dave,
>
> The manual indicates that when you get the error message DEFAULT:
> CHECK VSWR it means that the auto tune can't find an acceptable match,
> either due to high VSWR or unstable drive power.
>
> When troubleshooting, I always look to the latest problems and
> changes. You replaced the tubes because of a bias problem and you
> changed the relay. Those are the places I'd start.
>
> A bad relay contact or maybe even bad wiring or soldering to the posts
> could cause the tubes to see high VSWR, but that seems unlikely
> because the amp works OK with previously stored tuning parameters and
> I assume you aren't seeing excessive or unexpected reflected power
> when you transmit at full power. Further, the wattmeter comes after
> the relay, so I don't think it would show high VSWR if the relay
> contacts were bad.
>
> That leaves the bias problem. It's conceivable that there's something
> wrong with that circuit, and that replacing the tubes didn't really
> fix it. If you followed procedure and readjusted the bias when you

> changed the tubes, you may have simply changed the symptoms of the
> problem. It's possible that the bias voltage is now unstable at low
> drive levels, which in turn causes the output power to fluctuate and
> the auto tune to fail.
>
> Just guessing here, but those are my thoughts. I have a feeling that
> an email to the factory will be your shortest path to a resolution.
>
> 73, Dick WC1M
>
>
> --- In acom-list@yahoogroups.com, "Dave Hawes" <dave.n3rd@...> wrote:
> >
> > I was experiencing the "BIAS TOO LOW AT POWER ON -0.000V" error
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> > then completed the power on cycle.
> >
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> > DEFAULT CHECK VSWR
> > PLEASE REMOVE DRIVE
> >
> > The amp's power meter is properly reading reflected and forward power, and I
> > am getting decent output, but attempts to AUTO TUNE are unsuccessful.
> >
> > Any ideas?
> >
> > 73 - Dave N3RD
> >
> >
> > [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5093. Re: Acom 2000A Fault: DEFAULT CHECK VSWR PLEASE REMOVE DRIVE

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-24 17:56:23 UTC
From: dickgreen03755
Topic: 5090 Message: 5093

Hi Dave,

Glad you got the amp working. Weird that the bad tube works for full output but not Auto Tune.

Where did you get your spare tubes? I got a set from Array Solutions, but they're sitting on the shelf.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "Dave Hawes" <dave.n3rd@...> wrote:
>
> Hi Dick,
>
> I took the lid off to inspect the soldering job on the relay, and as expected, it
> was satisfactory, which left the tubes. Hal, N4GG, informed me that he had a
> tube(s) that worked OK, but the amp would not AUTO TUNE, and it was fixed
> by replacement of the bad tube(s). I had another spare set of tubes, so I
> swapped them out, and the amplifier is now working properly.
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> two bad tubes. One set was giving me the BIAS error, and the second set
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> swap one tube at a time to see if I can isolate the two bad ones.
>
> It would be great if there were some facility here in the states that would test
> tubes for you. In the old days, if you were an Alpha owner, ETO would test
> your tubes for a nominal price. Does anybody know of a place that would test
> GU74Bs?
>
> Thanks, Dick, for your suggestions.
>
> 73 - Dave
>
> On 23 Sep 2012 at 18:20, dickgreen03755 wrote:
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> > Hi Dave,
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> > drive levels, which in turn causes the output power to fluctuate and
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> > Just guessing here, but those are my thoughts. I have a feeling that
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> > 73, Dick WC1M
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> >
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> > > The amp's power meter is properly reading reflected and forward power, and I
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> > >
> > > Any ideas?
> > >
> > > 73 - Dave N3RD
> > >
> > >

> > > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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5094. RE: [acom-list] Re: Acom 2000A Fault: DEFAULT CHECK VSWR PLEASE REMOVE DRIVE

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-24 18:37:59 UTC
From: Chester Latawiec
Topic: 5090 Message: 5094

I also experienced the same symptoms of no auto-tune. Once tubes replaced (purchased from Array Solutions), the amp behaved as new!
Glad to hear you got your amp going again DAve.

73, Chet, VE3CFK

To: acom-list@yahoogroups.com
From: wc1m73@...
Date: Mon, 24 Sep 2012 17:56:23 +0000
Subject: [acom-list] Re: Acom 2000A Fault: DEFAULT CHECK VSWR PLEASE REMOVE DRIVE

Hi Dave,

Glad you got the amp working. Weird that the bad tube works for full output but not Auto Tune.

Where did you get your spare tubes? I got a set from Array Solutions, but they're sitting on the shelf.

73, Dick WC1M

--- In acom-list@yahoogroups.com, "Dave Hawes" <dave.n3rd@...> wrote:

>

> Hi Dick,

>

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> was satisfactory, which left the tubes. Hal, N4GG, informed me that he had a

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> by replacement of the bad tube(s). I had another spare set of tubes, so I

> swapped them out, and the amplifier is now working properly.

>

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> two bad tubes. One set was giving me the BIAS error, and the second set

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> It would be great if there were some facility here in the states that would test
> tubes for you. In the old days, if you were an Alpha owner, ETO would test
> your tubes for a nominal price. Does anybody know of a place that would test
> GU74Bs?
>
> Thanks, Dick, for your suggestions.
>
> 73 - Dave
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> >
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> > when you transmit at full power. Further, the wattmeter comes after
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> > contacts were bad.

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> > changed the tubes, you may have simply changed the symptoms of the

> > problem. It's possible that the bias voltage is now unstable at low

> > drive levels, which in turn causes the output power to fluctuate and

> > the auto tune to fail.

> >

> > Just guessing here, but those are my thoughts. I have a feeling that

> > an email to the factory will be your shortest path to a resolution.

> >

> > 73, Dick WC1M

> >

> >

> > --- In acom-list@yahoogroups.com, "Dave Hawes" <dave.n3rd@> wrote:

> > >

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> > > thing: I can't "AUTO TUNE." If I try, it seems to do the proper job, but then

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> > >

> > > DEFAULT CHECK VSWR

> > > PLEASE REMOVE DRIVE

> > >

> > > The amp's power meter is properly reading reflected and forward power, and I

> > > am getting decent output, but attempts to AUTO TUNE are unsuccessful.

> > >

> > > Any ideas?

> > >

> > > 73 - Dave N3RD

> > >

> > >

> > > [Non-text portions of this message have been removed]

> > >

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> > Yahoo! Groups Links

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> [Non-text portions of this message have been removed]

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[Non-text portions of this message have been removed]

5095. Acom 2000A - IP=610ma Should be zero

Yahoo group: acom-list (2010 — 2016)
Date: 2012-09-27 10:40:27 UTC
From: N2TK, Tony
Topic: 5095 Message: 5095

Was listening for 3D2C on topband. Amp was sitting idle. Heard him and called. As soon as I called with 40W drive I got an alarm " IP=2550ma. Should be zero". Amp shutoff. When I try again I get an alarm after about 5 seconds - "IP=600ma. Should be zero".

Has anyone seen something like this? Not sure if a tube went or a bias supply. Will try to get time later today to pull the tubes and see what happens. Thought I would first check here for a shortcut.

Tnx

N2TK, Tony

[Non-text portions of this message have been removed]

5096. 2000A video remote controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 16:45:04 UTC
From: kamarty456
Topic: 5096 Message: 5096

Has anyone used the new video controller with the 2000A?
Any user reviews?

I also saw the ACOM website hinting a "new improved" 2000A
Does this simply mean they will include the video remote unit
with any NEW purchase instead of the original RCU?..or are they changing the 2000A design?

Martin ka7gkn

5097. Re: [acom-list] 2000A video remote controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 16:52:19 UTC
From: W5OV@w5ov.com
Topic: 5096 Message: 5097

"Video remote" ? I think you're referring to the new controller with the color LCD type display. We showed a working prototype of this controller in Dayton this year. Very nice and integrates with most popular transceivers. As you tune the radio, the amplifier adjusts to be ready to go. No need to transmit for the amplifier to know where you are.

The amplifier is unchanged and will continue to ship with the original controller for some time - we don't know for how long.

The new controller will be an additional purchase option.

We anticipate that it will be around $900 for the new controller.

Eventually, the amplifier will be provided with the new controller only.

73,

Bob W5OV
Array Solutions

> Has anyone used the new video controller with the 2000A?
> Any user reviews?
>
> I also saw the ACOM website hinting a "new improved" 2000A
> Does this simply mean they will include the video remote unit
> with any NEW purchase instead of the original RCU?..or are they changing
> the 2000A design?
>
>
> Martin ka7gkn
>
>
>
> ------------------------------------
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> Yahoo! Groups Links
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>

5098. Re: [acom-list] 2000A video remote controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 16:58:55 UTC
From: W5OV@w5ov.com
Topic: 5096 Message: 5098

You can see a photo of the new RCU here:

http://www.arraysolutions.com/Acom/NEWRCU.htm

> "Video remote" ? I think you're referring to the new controller with the
> color LCD type display. We showed a working prototype of this controller
> in Dayton this year. Very nice and integrates with most popular
> transceivers. As you tune the radio, the amplifier adjusts to be ready to
> go. No need to transmit for the amplifier to know where you are.
>
> The amplifier is unchanged and will continue to ship with the original
> controller for some time - we don't know for how long.
>
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>
> We anticipate that it will be around $900 for the new controller.
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> Eventually, the amplifier will be provided with the new controller only.
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> 73,
>
> Bob W5OV
> Array Solutions
>
>
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>> Any user reviews?
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>> Does this simply mean they will include the video remote unit
>> with any NEW purchase instead of the original RCU?..or are they changing
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>>
>> Martin ka7gkn
>>
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5099. Acom 2000A "new RCU" controller a reality or vapor wear?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 19:46:37 UTC
From: Ralph
Topic: 5099 Message: 5099

I have enjoyed my 2000A for about a year now. I remember asking Bob at Array Solutions at the time of purchase about the "new" RCU that Acom had announced for the 2000A. Well Bob, it has been about a year. Is the new RCU a reality of is it just more bleepin vapor wear?

W1ZK

5100. Re: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 19:54:43 UTC
From: W5OV@w5ov.com
Topic: 5099 Message: 5100

Well, it has taken a while to get it right, but it's due to be shipping in
a couple of weeks.

As I said in my earlier message, we had a working unit in Dayton, and
based on that and our input, Acom is close to delivering now.

You can see it here:

http://www.arraysolutions.com/Acom/NEWRCU.htm

> I have enjoyed my 2000A for about a year now. I remember asking Bob at
> Array Solutions at the time of purchase about the "new" RCU that Acom had
> announced for the 2000A. Well Bob, it has been about a year. Is the new
> RCU a reality of is it just more bleepin vapor wear?
>
> W1ZK
>
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>
> Yahoo! Groups Links
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5101. Re: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 19:56:19 UTC
From: Joel Kornreich
Topic: 5099 Message: 5101

I attended the show in Germany the last couple of years. The unit is real for I saw it working at the Acom booth both years and understand ACOM would start shipping this October. Don't believe at this point I would spend the money to replace the RCU on my 2000A right away. Just would have to grow and love the new RCU more like seeing it here in the states. Bob will kept you informed as with other people also waiting...Joel, K2QBV

On Mon, Oct 8, 2012 at 3:46 PM, Ralph <joebrown1@...> wrote:

> **
>
>
> I have enjoyed my 2000A for about a year now. I remember asking Bob at
> Array Solutions at the time of purchase about the "new" RCU that Acom had
> announced for the 2000A. Well Bob, it has been about a year. Is the new RCU
> a reality of is it just more bleepin vapor wear?
>
> W1ZK
>
>
>

[Non-text portions of this message have been removed]

5102. Re: Acom 2000A "new RCU" controller a reality or vapor wear?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 20:06:01 UTC
From: Ralph
Topic: 5099 Message: 5102

Bob,
I take you at your word. Put me down for a new RCU.
Tnx again,
Ralph W1ZK

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> Well, it has taken a while to get it right, but it's due to be shipping in
> a couple of weeks.
>
> As I said in my earlier message, we had a working unit in Dayton, and
> based on that and our input, Acom is close to delivering now.
>
> You can see it here:
>
> http://www.arraysolutions.com/Acom/NEWRCU.htm
>
>
>
> > I have enjoyed my 2000A for about a year now. I remember asking Bob at
> > Array Solutions at the time of purchase about the "new" RCU that Acom had
> > announced for the 2000A. Well Bob, it has been about a year. Is the new
> > RCU a reality of is it just more bleepin vapor wear?
> >
> > W1ZK
> >
> >
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> >
> > Yahoo! Groups Links
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>

5103. RE: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-08 21:41:28 UTC
From: Mel Whitten
Topic: 5099 Message: 5103

Well, I have received a nice QSL card from an LZ op with a picture of the new controller next to the 2000A. Looked pretty real to me.

Mel

k0pfx

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ralph
Sent: Monday, October 08, 2012 2:47 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

I have enjoyed my 2000A for about a year now. I remember asking Bob at Array Solutions at the time of purchase about the "new" RCU that Acom had announced for the 2000A. Well Bob, it has been about a year. Is the new RCU a reality of is it just more bleepin vapor wear?

W1ZK

[Non-text portions of this message have been removed]

5104. Acom 1000 drive level and RF power Gain

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-09 20:40:15 UTC
From: Trevor Dunne
Topic: 5099 Message: 5104

Hi All

I notice that to get full output I have to use more power from my rig than before, usually around 60w was enough to get up to 1kw,

Now I nearly have to run it at full power to get that, its worse on 10m

The RF power Gain is only showing 12.0dB I am sure it used to show more,

I don't use the amp that much and its about 5 years old,

would the tube be getting weak ???

Thanks
Trevor
EI2GLB

From: Mel Whitten <mel@...>
To: acom-list@yahoogroups.com
Sent: Monday, 8 October 2012, 22:41
Subject: RE: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Well, I have received a nice QSL card from an LZ op with a picture of the new controller next to the 2000A. Looked pretty real to me.

Mel

k0pfx

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ralph
Sent: Monday, October 08, 2012 2:47 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

I have enjoyed my 2000A for about a year now. I remember asking Bob at Array Solutions at the time of purchase about the "new" RCU that Acom had announced for the 2000A. Well Bob, it has been about a year. Is the new RCU a reality of is it just more bleepin vapor wear?

W1ZK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5105. Re: Acom 1000 drive level and RF power Gain

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-09 21:42:40 UTC
From: Ger
Topic: 5099 Message: 5105

I had the same problem a year ago: gain dropped here to 11.5 dB on 20 meter and was different on other bands with max. 12 dB on 15. I installed a new tube and all OK since today: 12.5 - 13 dB gain depending on what band.I think your tube is not worn out but installing a "fresh" GU74 will likely restore the initial gain. Personally I should not worry to much as long as you get the full output.

73's Ger

--- In acom-list@yahoogroups.com, Trevor Dunne <trevor_dunne@...> wrote:
>
> Hi All
>
> I notice that to get full output I have to use more power from my rig than before, usually around 60w was enough to get up to 1kw,
>
> Now I nearly have to run it at full power to get that, its worse on 10m
>
> The RF power Gain is only showing 12.0dB I am sure it used to show more,
>
> I don't use the amp that much and its about 5 years old,
> Â
>
> would the tube be getting weak ???
>
> Â
> Thanks
> Trevor
> EI2GLB
>
>
> _____
> From: Mel Whitten <mel@...>
> To: acom-list@yahoogroups.com
> Sent: Monday, 8 October 2012, 22:41
> Subject: RE: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?
>
>
> Â
> Well, I have received a nice QSL card from an LZ op with a picture of the
> new controller next to the 2000A. Looked pretty real to me.
>
> Mel
>
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>

> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Ralph
> Sent: Monday, October 08, 2012 2:47 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Acom 2000A "new RCU" controller a reality or vapor
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> I have enjoyed my 2000A for about a year now. I remember asking Bob at Array
> Solutions at the time of purchase about the "new" RCU that Acom had
> announced for the 2000A. Well Bob, it has been about a year. Is the new RCU
> a reality of is it just more bleepin vapor wear?
>
> W1ZK
>
> [Non-text portions of this message have been removed]
>
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> [Non-text portions of this message have been removed]
>

5106. Acom 2000A "new RCU" controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-16 14:57:45 UTC
From: Kenneth
Topic: 5106 Message: 5106

I am missing something here. For current owners, where is the beef?
Yes its prettier. But I operate remotely and do not even see my RCU.
For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.

Ken K5WK

5107. Re: [acom-list] Acom 2000A "new RCU" controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-16 17:40:16 UTC
From: W5OV@w5ov.com
Topic: 5106 Message: 5107

I'd opt for the Maker's Mark.

> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>

5108. Re: [acom-list] Acom 2000A "new RCU" controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-16 18:38:53 UTC
From: paul glassman
Topic: 5106 Message: 5108

Wow....... They will fly off the shelves!

Sent from Yahoo! Mail on Android

[Non-text portions of this message have been removed]

5109. RCU Backup plan?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-19 14:15:25 UTC
From: Ron N5QQ
Topic: 5109 Message: 5109

A recent failure of my RCU (that was immediately fixed by Array Solutions, thank Jay, Bob) caused me to think about a backup plan if another RCU failure occurred at an inopportune time.
Will any of the 3rd party ACOM software controllers, like Remote Rig, M0YOM's Director, TRX, etc be able to control the ACOM if you remove/disconnect completely the bad RCU? For the sake of this discussion don't worry about the power-on part, we will assume you are at your station and not operating remotely via the internet.
I don't have my ACOM set up for 3rd party software control so just haven't been able to field test it myself.
Anyone tried this? Or?
Ron
N5QQ

[Non-text portions of this message have been removed]

5110. Re: Acom 2000A "new RCU" controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 03:12:33 UTC
From: on4vp
Topic: 5106 Message: 5110

I know for sure they having some problems with the new RCU's colour display. Acom delayed the delivery of the first shipment already 3 times in a row according to my dealer. I ordered the Acom2000a with new RCU but Acom won't ship to the dealer network until they are satisfied. I'm getting worried. I hoped to have the amp on my bench for the upcoming CQWW but Acom emailed my dealer this week saying another delay will hold shipping until 25th of october. The amp will never get here in time. I'm waiting over 8 weeks now. If I had other options this week, I cancelled my order but options are rare. CQWW barefoot? No, thanks...

As from what I've been informed, the amplifier itself remains unchanged. Only some new functionality on the RCU and the new colour display is different.

Also the Acom 800s should be available around this time.

73 Phil.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK
>

5111. Acom 2000A "new RCU" controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 03:20:04 UTC
From: D G
Topic: 5106 Message: 5111

The only possible issue I have heard is extremely minor, with the plastic antiglare screen, which has nothing to do with the operation of the ACOM 2000A or the new CAT RCU. I assume they will be testing new plastic screens and shipping very soon.

I am glad I returned to ACOM and bought another ACOM 2000A as well as the new ACOM 1500 which is working great on 6 meters, and I look forward to the ACOM 2000A CAT RTU.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: on4vp@...
Date: Sat, 20 Oct 2012 03:12:33 +0000
Subject: [acom-list] Re: Acom 2000A "new RCU" controller

I know for sure they having some problems with the new RCU's colour display. Acom delayed the delivery of the first shipment already 3 times in a row according to my dealer. I ordered the Acom2000a with new RCU but Acom won't ship to the dealer network until they are satisfied. I'm getting worried. I hoped to have the amp on my bench for the upcoming CQWW but Acom emailed my dealer this week saying another delay will hold shipping until 25th of october. The amp will never get here in time. I'm waiting over 8 weeks now. If I had other options this week, I cancelled my order but options are rare. CQWW barefoot? No, thanks...

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Also the Acom 800s should be available around this time.

73 Phil.

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>
> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK
>

[Non-text portions of this message have been removed]

5112. RE: [acom-list] Re: Acom 2000A "new RCU" controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 10:28:29 UTC
From: Bob Naumann
Topic: 5106 Message: 5112

The new RCU is supposed to ship very soon. My understanding is that publishing the new manual is the only thing delaying shipment now.

There have never been any published or announced expected shipping dates, so there have been no (3 times in a row?) delays in delivery. All of this is just speculation by your dealer.

There is no reason not to use the original RCU with your amplifier. It's not like the amplifier is useless without the new RCU.

Originally, it was expected that the 2000A would continue to ship with the original RCU and that the new RCU would strictly be an option.

There has been a change in plans and that is that new 2000A amplifiers will begin shipping with the new RCU only very soon.

The development and perfecting of the new RCU has taken long enough that Acom has decided not to produce any more of the original RCU and the Acom warehouse stock level of the original RCU is depleted enough that they have made a change in plans.

The new RCU will still be available alone as an upgrade option to all existing 2000A owners, as originally reported. All of this will happen very soon.

Also, I have not heard anything from Acom regarding the 800S being available any time soon. I think this also may be pure speculation by your dealer - but time will tell.

The new RCU offers new capabilities in interfacing with your radio and for remote control. In addition, you can see much more data on the beautiful color screen at one time without pressing buttons and navigating menus as you have to on the original RCU. You are correct that the amplifier chassis is not changed whatsoever at this time. Eventually, the connection required by the original RCU may be removed, but at present there is no announced plan to make those changes. So, all new amplifiers will continue to work with either type RCU - original or the new color one.

Is upgrading worthwhile? Each 2000A owner will have to make his own decision.

73,

Bob W5OV
Array Solutions
Acom Dealer in USA

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of on4vp
Sent: Friday, October 19, 2012 10:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A "new RCU" controller

I know for sure they having some problems with the new RCU's colour display. Acom delayed the delivery of the first shipment already 3 times in a row according to my dealer. I ordered the Acom2000a with new RCU but Acom won't ship to the dealer network until they are satisfied. I'm getting worried. I hoped to have the amp on my bench for the upcoming CQWW but Acom emailed my dealer this week saying another delay will hold shipping until 25th of october. The amp will never get here in time. I'm waiting over 8 weeks now. If I had other options this week, I cancelled my order but options are rare. CQWW barefoot? No, thanks...

As from what I've been informed, the amplifier itself remains unchanged. Only some new functionality on the RCU and the new colour display is different.

Also the Acom 800s should be available around this time.

73 Phil.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK
>

Yahoo! Groups Links

5113. Re: [acom-list] Acom 1000 drive level and RF power Gain

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 11:19:52 UTC
From: Trevor Dunne
Topic: 5099 Message: 5113

Just to update this as I didn't get much response the first time around,

I did a test on all bands and they are all ok with the exception of 10m.

on 10m If I am running 50w with the amp in STBY the meter on the amp shows 50w as it should,

If I bring the amp on line, I am only seeing 40w drive when it should be 50w as I have not touched the drive level on the rig,

I checked all other bands and the difference between STBY PWR and Drive PWR when amp is in line is maybe 1 or 2w, not the 10w that is showing on 10m, I notice the SWR will rise a small bit as well, would the circuit in the amp be out of tune on 10m or maybe some sort of issues with the tuner/coax switch, patch cables???
 That's why I have to push the Rig harder to get the same output on 10m,

It's not a issue I am to concerned about bit will monitor it to make sure it does not get any worse.

Thanks
Trevor
EI2GLB

From: Trevor Dunne <trevor_dunne@...>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Tuesday, 9 October 2012, 21:40
Subject: [acom-list] Acom 1000 drive level and RF power Gain

Hi All

I notice that to get full output I have to use more power from my rig than before, usually around 60w was enough to get up to 1kw,

Now I nearly have to run it at full power to get that, its worse on 10m

The RF power Gain is only showing 12.0dB I am sure it used to show more,

I don't use the amp that much and its about 5 years old,

would the tube be getting weak ???

Thanks
Trevor
EI2GLB

From: Mel Whitten <mailto:mel%40melwhitten.com>
To: mailto:acom-list%40yahoogroups.com

Sent: Monday, 8 October 2012, 22:41
Subject: RE: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Well, I have received a nice QSL card from an LZ op with a picture of the
new controller next to the 2000A. Looked pretty real to me.

Mel

k0pfx

From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On
Behalf
Of Ralph
Sent: Monday, October 08, 2012 2:47 PM
To: mailto:acom-list%40yahoogroups.com
Subject: [acom-list] Acom 2000A "new RCU" controller a reality or vapor
wear?

I have enjoyed my 2000A for about a year now. I remember asking Bob at Array
Solutions at the time of purchase about the "new" RCU that Acom had
announced for the 2000A. Well Bob, it has been about a year. Is the new RCU
a reality of is it just more bleepin vapor wear?

W1ZK

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5114. ACOM 2000A New RCU CAT Controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 13:12:21 UTC
From: D G
Topic: 5106 Message: 5114

Thanks for the update Bob, sounds fantastic.

When you think about it, the ACOM 2000A has about the most consistent and lengthy DNA and evolution towards perfection of any HF QRO amplifier around, over a decade. And these new features and enhancements make a great, proven, reliable HF amplifier platform even more innovative and unique (Remote Control Unit and CAT Tracking as well as Antenna Tuning Transformer are not widely available, but are standard with ACOM 2000A).

I also like my new ACOM 1500 assigned to 6 meters !

Congratulations and thanks to ACOM and Array Solutions !!!

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Sat, 20 Oct 2012 05:28:29 -0500
Subject: RE: [acom-list] Re: Acom 2000A "new RCU" controller

The new RCU is supposed to ship very soon. My understanding is that publishing the new manual is the only thing delaying shipment now.

There have never been any published or announced expected shipping dates, so there have been no (3 times in a row?) delays in delivery. All of this is just speculation by your dealer.

There is no reason not to use the original RCU with your amplifier. It's not like the amplifier is useless without the new RCU.

Originally, it was expected that the 2000A would continue to ship with the original RCU and that the new RCU would strictly be an option.

There has been a change in plans and that is that new 2000A amplifiers will begin shipping with the new RCU only very soon.

The development and perfecting of the new RCU has taken long enough that Acom has decided not to produce any more of the original RCU and the Acom warehouse stock level of the original RCU is depleted enough that they have made a change in plans.

The new RCU will still be available alone as an upgrade option to all existing 2000A owners, as originally reported. All of this will happen very soon.

Also, I have not heard anything from Acom regarding the 800S being available any time soon. I think this also may be pure speculation by your dealer - but time will tell.

The new RCU offers new capabilities in interfacing with your radio and for remote control. In addition, you can see much more data on the beautiful color screen at one time without pressing buttons and navigating menus as you have to on the original RCU. You are correct that the amplifier chassis is not changed whatsoever at this time. Eventually, the connection required by the original RCU may be removed, but at present there is no announced plan to make those changes. So, all new amplifiers will continue to work with either type RCU - original or the new color one.

Is upgrading worthwhile? Each 2000A owner will have to make his own decision.

73,

Bob W5OV
Array Solutions
Acom Dealer in USA

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of on4vp
Sent: Friday, October 19, 2012 10:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A "new RCU" controller

I know for sure they having some problems with the new RCU's colour display. Acom delayed the delivery of the first shipment already 3 times in a row according to my dealer. I ordered the Acom2000a with new RCU but Acom won't ship to the dealer network until they are satisfied. I'm getting worried. I hoped to have the amp on my bench for the upcoming CQWW but Acom emailed my dealer this week saying another delay will hold shipping until 25th of october. The amp will never get here in time. I'm waiting over 8 weeks now. If I had other options this week, I cancelled my order but options are rare. CQWW barefoot? No, thanks...

As from what I've been informed, the amplifier itself remains unchanged. Only some new functionality on the RCU and the new colour display is different.

Also the Acom 800s should be available around this time.

73 Phil.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK

>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5115. Re: [acom-list] ACOM 2000A New RCU CAT Controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 14:15:48 UTC
From: William Beyer (WILD BILL)
Topic: 5106 Message: 5115

Hello Dennis and Group:

Dennis is right on the mark....

Congratulations and thanks to TEAM ACOM and Array Solutions !!!

KEEP up the great ways.

73

Bill N2WB (WILD BILL)

DX RULES !!!

----- Original Message -----
From: "D G" <radiodg@...>
To: <acom-list@yahoogroups.com>
Sent: Saturday, October 20, 2012 9:12 AM
Subject: [acom-list] ACOM 2000A New RCU CAT Controller

>
> Thanks for the update Bob, sounds fantastic.
>
> When you think about it, the ACOM 2000A has about the most consistent and
> lengthy DNA and evolution towards perfection of any HF QRO amplifier
> around, over a decade. And these new features and enhancements make a
> great, proven, reliable HF amplifier platform even more innovative and
> unique (Remote Control Unit and CAT Tracking as well as Antenna Tuning
> Transformer are not widely available, but are standard with ACOM 2000A).
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> I also like my new ACOM 1500 assigned to 6 meters !
>
> Congratulations and thanks to ACOM and Array Solutions !!!
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> 73,
>
> Dennis
> N3DG
>
>
>
>
>
> To: acom-list@yahoogroups.com
> From: W5OV@...
> Date: Sat, 20 Oct 2012 05:28:29 -0500
> Subject: RE: [acom-list] Re: Acom 2000A "new RCU" controller

>
>
>
>
>
> The new RCU is supposed to ship very soon. My understanding is that
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> just speculation by your dealer.
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> There is no reason not to use the original RCU with your amplifier. It's
> not
> like the amplifier is useless without the new RCU.
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> original RCU and that the new RCU would strictly be an option.
>
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> The new RCU will still be available alone as an upgrade option to all
> existing 2000A owners, as originally reported. All of this will happen
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> Also, I have not heard anything from Acom regarding the 800S being
> available
> any time soon. I think this also may be pure speculation by your dealer -
> but time will tell.
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> by the original RCU may be removed, but at present there is no announced
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> with either type RCU - original or the new color one.

>
> Is upgrading worthwhile? Each 2000A owner will have to make his own
> decision.
>
> 73,
>
> Bob W5OV
> Array Solutions
> Acom Dealer in USA
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of on4vp
> Sent: Friday, October 19, 2012 10:13 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 2000A "new RCU" controller
>
> I know for sure they having some problems with the new RCU's colour
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> Acom delayed the delivery of the first shipment already 3 times in a row
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>> Yes its prettier. But I operate remotely and do not even see my RCU.
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>> Mark.
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>> Ken K5WK

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> Yahoo! Groups Links
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> Yahoo! Groups Links
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>

5116. ACOM 2000A New RCU CAT Controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 14:24:04 UTC
From: D G
Topic: 5106 Message: 5116

Hey Wild Bill !

Even more, the ACOM 2000A is really like a solid-state amplifier appliance in flexibility and modern features, but with maximum reliability, durability and maintainability.

So what...just wait 180 seconds for warmup, no muss, no fuss, no fragility...just lotsa performance and features without the solid-state hassles (I've been there and done that one) !!!

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: wbeyerjr@cfl.rr.com
Date: Sat, 20 Oct 2012 10:15:48 -0400
Subject: Re: [acom-list] ACOM 2000A New RCU CAT Controller

Hello Dennis and Group:

Dennis is right on the mark....

Congratulations and thanks to TEAM ACOM and Array Solutions !!!

KEEP up the great ways.

73

Bill N2WB (WILD BILL)

DX RULES !!!

----- Original Message -----
From: "D G" <radiodg@...>
To: <acom-list@yahoogroups.com>
Sent: Saturday, October 20, 2012 9:12 AM
Subject: [acom-list] ACOM 2000A New RCU CAT Controller

>
> Thanks for the update Bob, sounds fantastic.
>
> When you think about it, the ACOM 2000A has about the most consistent and
> lengthy DNA and evolution towards perfection of any HF QRO amplifier
> around, over a decade. And these new features and enhancements make a
> great, proven, reliable HF amplifier platform even more innovative and
> unique (Remote Control Unit and CAT Tracking as well as Antenna Tuning
> Transformer are not widely available, but are standard with ACOM 2000A).

>
> I also like my new ACOM 1500 assigned to 6 meters !
>
> Congratulations and thanks to ACOM and Array Solutions !!!
>
> 73,
>
> Dennis
> N3DG
>
>
>
>
>
> To: acom-list@yahoogroups.com
> From: W5OV@...
> Date: Sat, 20 Oct 2012 05:28:29 -0500
> Subject: RE: [acom-list] Re: Acom 2000A "new RCU" controller
>
>
>
>
>
> The new RCU is supposed to ship very soon. My understanding is that
> publishing the new manual is the only thing delaying shipment now.
>
> There have never been any published or announced expected shipping dates,
> so
> there have been no (3 times in a row?) delays in delivery. All of this is
> just speculation by your dealer.
>
> There is no reason not to use the original RCU with your amplifier. It's
> not
> like the amplifier is useless without the new RCU.
>
> Originally, it was expected that the 2000A would continue to ship with the
> original RCU and that the new RCU would strictly be an option.
>
> There has been a change in plans and that is that new 2000A amplifiers
> will
> begin shipping with the new RCU only very soon.
>
> The development and perfecting of the new RCU has taken long enough that
> Acom has decided not to produce any more of the original RCU and the Acom
> warehouse stock level of the original RCU is depleted enough that they
> have
> made a change in plans.
>
> The new RCU will still be available alone as an upgrade option to all
> existing 2000A owners, as originally reported. All of this will happen

> very
> soon.
>
> Also, I have not heard anything from Acom regarding the 800S being
> available
> any time soon. I think this also may be pure speculation by your dealer -
> but time will tell.
>
> The new RCU offers new capabilities in interfacing with your radio and for
> remote control. In addition, you can see much more data on the beautiful
> color screen at one time without pressing buttons and navigating menus as
> you have to on the original RCU. You are correct that the amplifier
> chassis
> is not changed whatsoever at this time. Eventually, the connection
> required
> by the original RCU may be removed, but at present there is no announced
> plan to make those changes. So, all new amplifiers will continue to work
> with either type RCU - original or the new color one.
>
> Is upgrading worthwhile? Each 2000A owner will have to make his own
> decision.
>
> 73,
>
> Bob W5OV
> Array Solutions
> Acom Dealer in USA
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of on4vp
> Sent: Friday, October 19, 2012 10:13 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 2000A "new RCU" controller
>
> I know for sure they having some problems with the new RCU's colour
> display.
> Acom delayed the delivery of the first shipment already 3 times in a row
> according to my dealer. I ordered the Acom2000a with new RCU but Acom
> won't
> ship to the dealer network until they are satisfied. I'm getting worried.
> I
> hoped to have the amp on my bench for the upcoming CQWW but Acom emailed
> my
> dealer this week saying another delay will hold shipping until 25th of
> october. The amp will never get here in time. I'm waiting over 8 weeks
> now.
> If I had other options this week, I cancelled my order but options are
> rare.

> CQWW barefoot? No, thanks...
>
> As from what I've been informed, the amplifier itself remains unchanged.
> Only some new functionality on the RCU and the new colour display is
> different.
>
> Also the Acom 800s should be available around this time.
>
> 73 Phil.
>
> --- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>>
>> I am missing something here. For current owners, where is the beef?
>> Yes its prettier. But I operate remotely and do not even see my RCU.
>> For $900 I can replace my finals, or buy a lifetime supply of Makers
>> Mark.
>>
>> Ken K5WK
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>
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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5117. Re: [acom-list] ACOM 2000A New RCU CAT Controller

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-20 14:56:09 UTC
From: W1JCW
Topic: 5106 Message: 5117

Amen !

I would never consider selling my 2k !

I love this tank, all ready for cqww next weekend !

73-
W1JCW
John

From: D G
Sent: Saturday, October 20, 2012 9:24 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A New RCU CAT Controller

Hey Wild Bill !

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> Bob W5OV
> Array Solutions
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>> Mark.
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> Yahoo! Groups Links

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Yahoo! Groups Links

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5118. ACOM 2000 Legacy

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-21 13:45:28 UTC
From: Kenneth Waites
Topic: 5118 Message: 5118

I have had an Acom 2000 at each of my two hamshacks - I go to AZ in the winter to an RV park.
Now this winter I am operating remotely from AZ, so I have an extra ACOM 2000.
I just cant bring myself to sell it. I may keep it as a backup for my other ACOM 2000 - which almost never needs a backup. Its like a member of the family. It seems kind of silly.

Ken K5WK

5119. ACOM 2000 Legacy

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-21 13:55:57 UTC
From: D G
Topic: 5118 Message: 5119

Don't Sell Her !!!

I sold my first ACOM 2000A to buy a solid-state 160-6 Meter 2 KW amplifier, and after a few months of ups-and-downs, broke-up with the Italian gal and am happily reunited with a new ACOM 2000A.
73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: kenw817821@...
Date: Sun, 21 Oct 2012 13:45:28 +0000
Subject: [acom-list] ACOM 2000 Legacy

I have had an Acom 2000 at each of my two hamshacks - I go to AZ in the winter to an RV park.
Now this winter I am operating remotely from AZ, so I have an extra ACOM 2000.
I just cant bring myself to sell it. I may keep it as a backup for my other ACOM 2000 - which almost never needs a backup. Its like a member of the family. It seems kind of silly.

Ken K5WK

[Non-text portions of this message have been removed]

5120. ACOM 1000?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-23 04:05:43 UTC
From: Doug Smith
Topic: 5120 Message: 5120

Hello,

What's the general consensus on the ACOM 1000? I see four of them currently 'for sale' on qth.com with prices ranging from $2300 to about $2650. New units aren't much more at $3,250.

Good amps? How long have they been in production? If I was to buy a used unit what sort of questions should I be asking? Hours on tube, year built, etc. etc.

For a used to new price differential of ~600 ~700 bucks it might make sense to buy one new. Peace of mind has some value..

Anyway, anyone have any thoughts or advice they'd like to share?

Thanks and 73,
Doug, W7KF
http://www.w7kf.com

5121. Acom2000a and station master

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-24 09:46:29 UTC
From: on4vp
Topic: 5121 Message: 5121

Hello,

With interest I see that you have the Acom2000a connected to the Microham station master. I have the station master here in my station and the Acom2000 is coming in two weeks (on order).

My question:

I see the cable (have it already here) has a big connecter for the station master and a second thin cable for RS232.

I assume the big thick cable is for PTT keying and the RS232 cable connects to station master RS232 port and Acom RS232 port.

I don't understand what the grey plastic RS232 box is with blue cable marked "remote". According to the schematics I think it is for remote "switch on/off" ? Do I need to put that plastic RS232 box between RS232 cable and Acom?

Perhaps you could be so kind to send me a few pictures with the cables connected to view the situation.

Thanks for sharing info and best 73
Phil ON4VP

5122. Acom2000a and station master

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-24 09:46:31 UTC
From: on4vp
Topic: 5121 Message: 5122

Hello,

With interest I see that you have the Acom2000a connected to the Microham station master. I have the station master here in my station and the Acom2000 is coming in two weeks (on order).

My question:

I see the cable (have it already here) has a big connecter for the station master and a second thin cable for RS232.

I assume the big thick cable is for PTT keying and the RS232 cable connects to station master RS232 port and Acom RS232 port.

I don't understand what the grey plastic RS232 box is with blue cable marked "remote". According to the schematics I think it is for remote "switch on/off" ? Do I need to put that plastic RS232 box between RS232 cable and Acom?

Perhaps you could be so kind to send me a few pictures with the cables connected to view the situation.

Thanks for sharing info and best 73
Phil ON4VP

5124. ACOM 2000a protect light

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-26 13:45:11 UTC
From: Kenneth
Topic: 5124 Message: 5124

I have seen this protect light blink many times and not worry about it.
I have the amp wired for 240 volts.
Now, sometimes I see the light blink constantly. It has put the amp in standby a couple of times. With the light constantly blinking, I can power down and back up immediately -- the light disappears.

Any ideas what may be the cause of this?

Ken K5WK

5125. Re: [acom-list] ACOM 2000a protect light

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-26 14:07:11 UTC
From: Joel Kornreich
Topic: 5124 Message: 5125

What light? Could help you but need more info...Joel, K2QBV

On Fri, Oct 26, 2012 at 9:45 AM, Kenneth <kenw817821@...> wrote:

> **
>
>
> I have seen this protect light blink many times and not worry about it.
> I have the amp wired for 240 volts.
> Now, sometimes I see the light blink constantly. It has put the amp in
> standby a couple of times. With the light constantly blinking, I can power
> down and back up immediately -- the light disappears.
>
> Any ideas what may be the cause of this?
>
> Ken K5WK
>
>
>

[Non-text portions of this message have been removed]

5126. Re: ACOM 2000a protect light

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-26 14:26:35 UTC
From: Kenneth
Topic: 5124 Message: 5126

The protect light is the left most light on the RCU. It is marked "prot".
--- In acom-list@yahoogroups.com, Joel Kornreich <k2qbv2@...> wrote:
>
> What light? Could help you but need more info...Joel, K2QBV
>
> On Fri, Oct 26, 2012 at 9:45 AM, Kenneth <kenw817821@...> wrote:
>
> > **
> >
> >
> > I have seen this protect light blink many times and not worry about it.
> > I have the amp wired for 240 volts.
> > Now, sometimes I see the light blink constantly. It has put the amp in
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> > down and back up immediately -- the light disappears.
> >
> > Any ideas what may be the cause of this?
> >
> > Ken K5WK
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>

5127. Re: ACOM 2000a protect light

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-26 14:38:11 UTC
From: kamarty456
Topic: 5124 Message: 5127

The yellow LED protect light has two functions:

1. to alert you that the tube heater voltage is high. The yellow
protect LED will come on and flash intermittently.

2. Your line voltage is too high likely above about 245VAC and the yellow LED will flash rapidly....

So...check your 2000A parameters and let us know what your
heater voltage and AC line voltages are.

Also I'd strongly suggest you use a digital voltmeter and measure
your 240VAC line voltage going to the 2000A. I found on my 2000A
the RCU line voltage display was over 5VAC off and had to calibrate the 2000A metering display.

Finally be aware typically 240VAC is +/5% or about 228VAC to 252VAC
That's why you need to measure your 240VAC source to determine if you need to call your power company. At times the line voltage may increase due to local demand..or there may be a problem at your
distribution point.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I have seen this protect light blink many times and not worry about it.
> I have the amp wired for 240 volts.
> Now, sometimes I see the light blink constantly. It has put the amp in standby a couple of times. With the light constantly blinking, I can power down and back up immediately -- the light disappears.
>
> Any ideas what may be the cause of this?
>
> Ken K5WK
>

5128. Re: using a 240VSC variac?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-27 04:39:09 UTC
From: A Yahoo! user
Topic: 3195 Message: 5128

My ACOM ''heater'' light comes on blinks once in a while, my line voltage here is running 249- 255v, can this be issue and should I worry or not worry or what can I do

Joe--w6vnr

--- In acom-list@yahoogroups.com, Callum MØMCX <callum@...> wrote:
>
> Same topic as you Martin, if I'm not on utility power, my large generator
> kicks out about 253 volts when in a no-load situation. The heater light
> flashes and goes out as soon as either we put the kettle on or start
> transmitting.
>
>
>
> Should I worry myself or just leave it as is..?
>
>
>
> Callum McCormick
>
> http://www.m0mcx.co.uk/
>
> t: 07976 631881
>
> 65 Glendon Way, B93 8SY
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of kamarty456
> Sent: 30 June 2009 20:13
> To: acom-list@yahoogroups.com
> Subject: [acom-list] using a 240VSC variac?
>
>
>
>
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>
>
>
> If you have read my recent posts regarding the high 240VAC line voltage I'm
> experiencing. I have another question....
>
> I have closely monitored my 240VAC line at various times during the day. I

> also have not been able to determine and particular trend. The transformer
> on the power pole supplies my home and three other homes.
>
> Observing the recent comments of my other post I notice most of you are
> seeing 235-242VAC.
>
> I typically fluctuate from 242-254VAC. I am experiencing the heater voltage
> fluctuate from 12.6-13.5VAC and the yellow LED flashes. I also realize I'm
> still within the tube's parameters and perhaps I'm just over cautious.
>
> I have found a 240VAC in [adjustable] 250VAC out rated at 5kvac [20amp]
> variac.
>
> Should I consider this to ensure the supply voltage to the Acom 2000A is
> always around 240-245VAC?
>
> Or should I not complain about being within the high range of the line
> Voltage supplied? SRP has told me +/-5% is within their range of normal,
> 228-252VAC -or- 114-126VAC per leg.
>
> Martin, KA7GKN
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

5129. Re: using a 240VSC variac?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-27 14:50:47 UTC
From: Jay Terleski
Topic: 3195 Message: 5129

In the case of High Mains voltage being a problem from your power pole transformer.
I would ask to have it lowered.

...But ACOM has a RCU fix to keep the tubes in good order and efficiency. Read the manual section 5-6 about telling the RCU you have High, or Low mains. Once set the firmware will adjust the tube parameters to keep it on a good load line. You must go through a new USER TUNE cycle on all your antennas to take advantage of this.

Regards to the group.
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

5130. Re: ACOM 2000a protect light

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-27 15:11:50 UTC
From: Kenneth
Topic: 5124 Message: 5130

This is the RED led. I think I found the problem, and it does not seem to follow the script. If the voltage were high, I would expect the light to reignite when I turn the amp back on.

My Steppir antenna needed to be calibrated. I think the tuning of the amp was not agreeing with the antenna characteristics. I recalibrated, then retuned the ACOM on all bands, and I have not seen the flashing red light since. Perhaps coincidence?

Ken K5WK

--- In acom-list@yahoogroups.com, "kamarty456" <martins160@...> wrote:
>
> The yellow LED protect light has two functions:
>
> 1. to alert you that the tube heater voltage is high. The yellow
> protect LED will come on and flash intermittently.
>
> 2. Your line voltage is too high likely above about 245VAC and the yellow LED will flash rapidly....
>
> So...check your 2000A parameters and let us know what your
> heater voltage and AC line voltages are.
>
> Also I'd strongly suggest you use a digital voltmeter and measure
> your 240VAC line voltage going to the 2000A. I found on my 2000A
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> Finally be aware typically 240VAC is +/5% or about 228VAC to 252VAC
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> > Any ideas what may be the cause of this?
> >
> > Ken K5WK

> >
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5131. Re: [acom-list] Re: ACOM 2000a protect light

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-27 20:37:25 UTC
From: Val
Topic: 5124 Message: 5131

Ken,

The PROT red led lights only in case of a protection trip. Please read the
fault description on the RCU display.
You may have a hot switching if the amplifier's keying line is interrupted
by the steppir controller.

73, Val LZ1VB

> This is the RED led. I think I found the problem, and it does not seem to
> follow the script. If the voltage were high, I would expect the light to
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>> LED will flash rapidly....
>>
>> So...check your 2000A parameters and let us know what your
>> heater voltage and AC line voltages are.
>>
>> Also I'd strongly suggest you use a digital voltmeter and measure
>> your 240VAC line voltage going to the 2000A. I found on my 2000A
>> the RCU line voltage display was over 5VAC off and had to calibrate the
>> 2000A metering display.
>>
>> Finally be aware typically 240VAC is +/5% or about 228VAC to 252VAC
>> That's why you need to measure your 240VAC source to determine if you
>> need to call your power company. At times the line voltage may increase
>> due to local demand..or there may be a problem at your
>> distribution point.
>>
>>
>> --- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@> wrote:

>> >
>> > I have seen this protect light blink many times and not worry about it.
>> > I have the amp wired for 240 volts.
>> > Now, sometimes I see the light blink constantly. It has put the amp in
>> > standby a couple of times. With the light constantly blinking, I can
>> > power down and back up immediately -- the light disappears.
>> >
>> > Any ideas what may be the cause of this?
>> >
>> > Ken K5WK
>> >
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> Yahoo! Groups Links
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5132. low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-27 23:28:02 UTC
From: wade
Topic: 5132 Message: 5132

While operating on 10 meter SSB at 1 kw the amp shut down and the red Prot light (top left) came on and stayed on. I shut the unit down waited 5 min and turned it back on. it came up OK and operated for about 20 seconds before shutting down again.

I restarted the unit and after the normal warm up waiting period the unit tried to start up and shut down in about two seconds and left the message that the "start up bias is too low -000 volts".

It now does the same on every attempt to run it. The key in line is operating as it should (open on receive and shorted during transmission).

Any help appreciated. Van W4GIW a ham for 59 years.

5133. Re: [acom-list] low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-28 07:30:12 UTC
From: Val
Topic: 5132 Message: 5133

Van,

It sound like a bad tube, but the bias circuit malfunction is also possible.
If you have a spare pair, you can check whether it will make the amplifier
happy. If this is the case, don't forget finally to adjust the bias
according to the new pair needs.

73, Val LZ1VB

> While operating on 10 meter SSB at 1 kw the amp shut down and the red Prot
> light (top left) came on and stayed on. I shut the unit down waited 5 min
> and turned it back on. it came up OK and operated for about 20 seconds
> before shutting down again.
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> I restarted the unit and after the normal warm up waiting period the unit
> tried to start up and shut down in about two seconds and left the message
> that the "start up bias is too low -000 volts".
>
> It now does the same on every attempt to run it. The key in line is
> operating as it should (open on receive and shorted during transmission).
>
> Any help appreciated. Van W4GIW a ham for 59 years.
>
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>
> Yahoo! Groups Links
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5134. Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-28 10:59:48 UTC
From: wade
Topic: 5132 Message: 5134

Val, Thanks for your response. I have never replaced a ceramic tube but I do have a set of never used 7 pin russian tubes marked OTK 10 and ry-7469104 which are supposed to be the same as 4cx800a. Can you confirm that the tubes I have are equal. The tubes are several years old and have never been used. I know there is a special procedure to follow with old tubes but I do not know it. Can you supply a copy of this process.

Thanks for your help. Van

--- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>
> Van,
>
> It sound like a bad tube, but the bias circuit malfunction is also possible.
> If you have a spare pair, you can check whether it will make the amplifier
> happy. If this is the case, don't forget finally to adjust the bias
> according to the new pair needs.
>
> 73, Val LZ1VB
>
> > While operating on 10 meter SSB at 1 kw the amp shut down and the red Prot
> > light (top left) came on and stayed on. I shut the unit down waited 5 min
> > and turned it back on. it came up OK and operated for about 20 seconds
> > before shutting down again.
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> > I restarted the unit and after the normal warm up waiting period the unit
> > tried to start up and shut down in about two seconds and left the message
> > that the "start up bias is too low -000 volts".
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> > It now does the same on every attempt to run it. The key in line is
> > operating as it should (open on receive and shorted during transmission).
> >
> > Any help appreciated. Van W4GIW a ham for 59 years.
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5135. Re: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-28 11:40:21 UTC
From: briana
Topic: 5132 Message: 5135

Should these solve your problem, make sure you adjust the bias pots
located under the front panel.
73 de Brian/K3KO

On 10/28/2012 5:59 AM, wade wrote:
>
> Val, Thanks for your response. I have never replaced a ceramic tube
> but I do have a set of never used 7 pin russian tubes marked OTK 10
> and ry-7469104 which are supposed to be the same as 4cx800a. Can you
> confirm that the tubes I have are equal. The tubes are several years
> old and have never been used. I know there is a special procedure to
> follow with old tubes but I do not know it. Can you supply a copy of
> this process.
>
> Thanks for your help. Van
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> "Val" <val@...> wrote:
> >
> > Van,
> >
> > It sound like a bad tube, but the bias circuit malfunction is also
> possible.
> > If you have a spare pair, you can check whether it will make the
> amplifier
> > happy. If this is the case, don't forget finally to adjust the bias
> > according to the new pair needs.
> >
> > 73, Val LZ1VB
> >
> > > While operating on 10 meter SSB at 1 kw the amp shut down and the
> red Prot
> > > light (top left) came on and stayed on. I shut the unit down
> waited 5 min
> > > and turned it back on. it came up OK and operated for about 20
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> > > before shutting down again.
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> > > I restarted the unit and after the normal warm up waiting period
> the unit
> > > tried to start up and shut down in about two seconds and left the
> message
> > > that the "start up bias is too low -000 volts".
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> > > It now does the same on every attempt to run it. The key in line is

> > > operating as it should (open on receive and shorted during
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> > > Any help appreciated. Van W4GIW a ham for 59 years.
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2221 / Virus Database: 2441/5357 - Release Date: 10/27/12
>

5136. ACOM 1000 Trip fault TR6B

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-28 16:22:57 UTC
From: g4zwy
Topic: 5136 Message: 5136

Hello to the group,
I wonder if anyone has had the problem with a ACOM 1000 tripping out with alarm TR6B.

No problems up till now.

It will work if reset but trips again after a while of use.

Any info would be greatly received.

73 to all.

Steve G4ZWY

5137. Serial # help

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-28 21:45:00 UTC
From: Bubba
Topic: 5137 Message: 5137

Is there a serial number list to see what year your unit was made?

Want to find out how old my Acom 1000 is.

Bubba

5138. Acom1000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-29 04:33:59 UTC
From: Philippe ON4VP
Topic: 5138 Message: 5138

Hi,

I have an Acom 1000 for sale. Has never left my shack.
Tube is fine, not that many hours on the clock. Only been used during my
time off in the weekends.
Only reason is Acom2000a + SPE (both auto) that I plan to keep.
Price 1500 euros. For those not to far away, can be checked and tested at
my place.
Can be shipped (extra costs).

http://youtu.be/3KnMRcSoZNI
http://www.2dehands.be/zendamateur/zendapparatuur-ontvangers/hf-linear/acom-1000-te-koop-1
35530068.html?list_cat=hf-lineair

73, Phil

[Non-text portions of this message have been removed]

5139. Re: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-29 20:46:11 UTC
From: Val
Topic: 5132 Message: 5139

Yes Van, the tubes that you have are of the right type. However are they a matched pair or not?

The only thing that you can do for the aged tubes is to bake them. Apply only the filament voltage for several (8-12) hours. This could be done in the amplifier if the plate voltage is previously disconnected.

73, Val

> Val, Thanks for your response. I have never replaced a ceramic tube but I
> do have a set of never used 7 pin russian tubes marked OTK 10 and
> ry-7469104 which are supposed to be the same as 4cx800a. Can you confirm
> that the tubes I have are equal. The tubes are several years old and have
> never been used. I know there is a special procedure to follow with old
> tubes but I do not know it. Can you supply a copy of this process.
>
> Thanks for your help. Van
>
> --- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
>>
>> Van,
>>
>> It sound like a bad tube, but the bias circuit malfunction is also
>> possible.
>> If you have a spare pair, you can check whether it will make the
>> amplifier
>> happy. If this is the case, don't forget finally to adjust the bias
>> according to the new pair needs.
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>> 73, Val LZ1VB
>>
>> > While operating on 10 meter SSB at 1 kw the amp shut down and the red
>> > Prot
>> > light (top left) came on and stayed on. I shut the unit down waited 5
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>> > and turned it back on. it came up OK and operated for about 20 seconds
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>> > I restarted the unit and after the normal warm up waiting period the
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>> > that the "start up bias is too low -000 volts".
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>> > Any help appreciated. Van W4GIW a ham for 59 years.
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5140. Super Gain 2000A - end of story

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-29 22:24:01 UTC
From: Jay Terleski
Topic: 5140 Message: 5140

You may recall Bruce had posted a quest for help for his 2000A which was giving him Full output with 12W input.

When I got the amp it was indeed showing 18.5dB of gain!

And the most obvious thing to check was the input swamping 50 ohm resistor as several of you suggested.

This was OK and putting an Ohm meter into the RF in port showed a perfect 50 ohms when PTT was pulled.

After making alot of measurements with a scope and with the help of ACOM (VAL and STAN) and a good Oscilloscope we tracked it down.
The RF output was 1000W with 10W input but it was peak power, the envelope was modulated by huge ripple on the bias supply. Even thought the bias supply said it was -127 volts at idle.
This was the strange thing about this whole problem. The ripple was on the DC component of the bias supply. So watch out for this.

C2 47uF 200V cap was blown open on the Low Voltage board.
Since this was a 1999 amplifier it finally dried out.

While in there I replaced all the other electrolytics, since it is a fairly big job to dig down to that board.

If you have a 10 year old amp you might want to replace the older electrolytics just to avoid missing the P5.

Regards to the group.
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

5141. Re: [acom-list] low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-29 23:32:07 UTC
From: Dave Hawes
Topic: 5132 Message: 5141

Van,

I recently had this exact problem. I first checked the bias level with a DVM on the appropriate pins with the front panel removed, without starting the amp with the red ON OFF button on the RCU. Perfect. Then while watching the bias, I started the amp, and just as it was about to finish the warm up cycle, the bias went haywire. This is a sign of a bad tube or tubes. Changed to a spare set, and all went well.

That is until I tried to use the Auto Tune function. It kept giving me an error, so I swapped in yet a third set of tubes, and now all is well with the amp.

So, I'd bet you have at least one bad tube.

73 - Dave N3RD

On 27 Oct 2012 at 23:28, wade wrote:

> While operating on 10 meter SSB at 1 kw the amp shut down and the red
> Prot light (top left) came on and stayed on. I shut the unit down
> waited 5 min and turned it back on. it came up OK and operated for
> about 20 seconds before shutting down again.
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> I restarted the unit and after the normal warm up waiting period the
> unit tried to start up and shut down in about two seconds and left the
> message that the "start up bias is too low -000 volts".
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> It now does the same on every attempt to run it. The key in line is
> operating as it should (open on receive and shorted during
> transmission).
>
> Any help appreciated. Van W4GIW a ham for 59 years.
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> Yahoo! Groups Links
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5142. RE: [acom-list] low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 09:30:04 UTC
From: Kees - pa7two
Topic: 5132 Message: 5142

Hi Dave,

Just out of interest, did you re-adjust the BIAS settings after the first tube swap?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: dave.n3rd@verizon.net
Date: Mon, 29 Oct 2012 19:32:07 -0400
Subject: Re: [acom-list] low bias warning on 2000A SN #060187

Van,

I recently had this exact problem. I first checked the bias level with a DVM on

the appropriate pins with the front panel removed, without starting the amp

with the red ON OFF button on the RCU. Perfect. Then while watching the

bias, I started the amp, and just as it was about to finish the warm up cycle,

the bias went haywire. This is a sign of a bad tube or tubes. Changed to a

spare set, and all went well.

That is until I tried to use the Auto Tune function. It kept giving me an error,

so I swapped in yet a third set of tubes, and now all is well with the amp.

So, I'd bet you have at least one bad tube.

73 - Dave N3RD

On 27 Oct 2012 at 23:28, wade wrote:

> While operating on 10 meter SSB at 1 kw the amp shut down and the red

> Prot light (top left) came on and stayed on. I shut the unit down

> waited 5 min and turned it back on. it came up OK and operated for

> about 20 seconds before shutting down again.

>

> I restarted the unit and after the normal warm up waiting period the

> unit tried to start up and shut down in about two seconds and left the

> message that the "start up bias is too low -000 volts".

>

> It now does the same on every attempt to run it. The key in line is

> operating as it should (open on receive and shorted during

> transmission).

>

> Any help appreciated. Van W4GIW a ham for 59 years.

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5143. Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 14:21:43 UTC
From: wade
Topic: 5132 Message: 5143

My thanks to all who responded. The problem has been fixed. To those of you who suggested a tube problem you get the cigar. I chose one of the two tubes and replaced it. It was a lucky choice as it was the bad one. Replacing the tube was much easier than the manual would lead you to believe.

Thanks to Jay at Array Solutions for his fine telephone support. The bias was adjusted after replacement. Per Jays instructions, the new tube was allowed to only warm up for two minutes after the normal start up delay, before power was applied at 400 watts. We ran this for a min. or so and then went to 1400 with no problem. The replacement tube had been setting on the shelf unused for at least 5 years. 12 hours later an hour of regular operation at 1200 watts produced only normal results.

I hope these results may inable another owner to solve a tube problemin the future.

Van W4GIW

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Dave,
>
> Just out of interest, did you re-adjust the BIAS settings after the first tube swap?
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
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>
> To: acom-list@yahoogroups.com
> From: dave.n3rd@...
> Date: Mon, 29 Oct 2012 19:32:07 -0400
> Subject: Re: [acom-list] low bias warning on 2000A SN #060187
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> Van,
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> I recently had this exact problem. I first checked the bias level with a DVM on
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> the appropriate pins with the front panel removed, without starting the amp
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> with the red ON OFF button on the RCU. Perfect. Then while watching the
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> bias, I started the amp, and just as it was about to finish the warm up cycle,
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> the bias went haywire. This is a sign of a bad tube or tubes. Changed to a
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> spare set, and all went well.
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> That is until I tried to use the Auto Tune function. It kept giving me an error,
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> so I swapped in yet a third set of tubes, and now all is well with the amp.
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> So, I'd bet you have at least one bad tube.
>
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>
> 73 - Dave N3RD
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> On 27 Oct 2012 at 23:28, wade wrote:
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> > Prot light (top left) came on and stayed on. I shut the unit down
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> > Any help appreciated. Van W4GIW a ham for 59 years.
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5144. Re: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 14:43:26 UTC
From: Barry N1EU
Topic: 5132 Message: 5144

If you haven't already done so, you should compare the temperatures of the two tubes after a period of intensive use. A small temperature difference will verify that you have an acceptable match.

I'm curious why the NOS tube was only warmed up for 2 mins and then ramped up to high power in a relatively quick fashion. I would have thought to bring it up over several hours.

73,
Barry N1EU

On Tue, Oct 30, 2012 at 2:21 PM, wade <giw@...t> wrote:

> **
>
>
> My thanks to all who responded. The problem has been fixed. To those of
> you who suggested a tube problem you get the cigar. I chose one of the two
> tubes and replaced it. It was a lucky choice as it was the bad one.
> Replacing the tube was much easier than the manual would lead you to
> believe.
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> Thanks to Jay at Array Solutions for his fine telephone support. The bias
> was adjusted after replacement. Per Jays instructions, the new tube was
> allowed to only warm up for two minutes after the normal start up delay,
> before power was applied at 400 watts. We ran this for a min. or so and
> then went to 1400 with no problem. The replacement tube had been setting on
> the shelf unused for at least 5 years. 12 hours later an hour of regular
> operation at 1200 watts produced only normal results.
>
> I hope these results may inable another owner to solve a tube problemin
> the future.
>
> Van W4GIW
>
> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
> >
> >
> > Hi Dave,
> >
> > Just out of interest, did you re-adjust the BIAS settings after the
> first tube swap?
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> >
> > Vy 73, de Kees - PA7TWO - M5TWO
> > DX IS and CW RULES!

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> >
> > Twitter: @PA7TWO
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> > To: acom-list@yahoogroups.com
> > From: dave.n3rd@...
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> > Date: Mon, 29 Oct 2012 19:32:07 -0400
> > Subject: Re: [acom-list] low bias warning on 2000A SN #060187
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> > Van,
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> >
> > the bias went haywire. This is a sign of a bad tube or tubes. Changed to
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> > That is until I tried to use the Auto Tune function. It kept giving me
> an error,
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> > so I swapped in yet a third set of tubes, and now all is well with the
> amp.
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> > So, I'd bet you have at least one bad tube.
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> > 73 - Dave N3RD
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> >
> > On 27 Oct 2012 at 23:28, wade wrote:
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> > > While operating on 10 meter SSB at 1 kw the amp shut down and the red
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> > > Prot light (top left) came on and stayed on. I shut the unit down
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5145. Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 16:30:05 UTC
From: rick_nd4p
Topic: 5132 Message: 5145

Great that you are going again! Out of curiosity, how old is the amp and the tube(s) that went bad?

Rick - ND4P

--- In acom-list@yahoogroups.com, "wade" <giw@...> wrote:
>
> My thanks to all who responded. The problem has been fixed. To those of you who suggested a tube problem you get the cigar. I chose one of the two tubes and replaced it. It was a lucky choice as it was the bad one. Replacing the tube was much easier than the manual would lead you to believe.
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> Thanks to Jay at Array Solutions for his fine telephone support. The bias was adjusted after replacement. Per Jays instructions, the new tube was allowed to only warm up for two minutes after the normal start up delay, before power was applied at 400 watts. We ran this for a min. or so and then went to 1400 with no problem. The replacement tube had been setting on the shelf unused for at least 5 years. 12 hours later an hour of regular operation at 1200 watts produced only normal results.
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> I hope these results may inable another owner to solve a tube problemin the future.
>
> Van W4GIW
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> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:
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> > Hi Dave,
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> > Just out of interest, did you re-adjust the BIAS settings after the first tube swap?
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> > Vy 73, de Kees - PA7TWO - M5TWO
> > DX IS and CW RULES!
> >
> > Twitter: @PA7TWO
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> > To: acom-list@yahoogroups.com
> > From: dave.n3rd@
> > Date: Mon, 29 Oct 2012 19:32:07 -0400
> > Subject: Re: [acom-list] low bias warning on 2000A SN #060187
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> > So, I'd bet you have at least one bad tube.

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> > 73 - Dave N3RD
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> > > Any help appreciated. Van W4GIW a ham for 59 years.
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5146. spare tubes warmup Re:was low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 16:42:08 UTC
From: bill ny9h
Topic: 5132 Message: 5146

to bake them....

just disconnect the plates and let them hang ???
this does not cause a fault ???

looking at two sets of "matched" spares...

thinking about swapping a pair into currently working fine 5 year old amp....
or should I just let them set awaiting a failure that may never happen/////

bill

At 04:46 PM 10/29/2012, you wrote:
>Yes Van, the tubes that you have are of the right type. However are they a
>matched pair or not?
>
>The only thing that you can do for the aged tubes is to bake them. Apply
>only the filament voltage for several (8-12) hours. This could be done in
>the amplifier if the plate voltage is previously disconnected.
>
>73, Val
>
>
> > Val, Thanks for your response. I have never replaced a ceramic tube but I
> > do have a set of never used 7 pin russian tubes marked OTK 10 and
> > ry-7469104 which are supposed to be the same as 4cx800a. Can you confirm
> > that the tubes I have are equal. The tubes are several years old and have
> > never been used. I know there is a special procedure to follow with old
> > tubes but I do not know it. Can you supply a copy of this process.
> >
> > Thanks for your help. Van
> >
> > --- In acom-list@yahoogroups.com, "Val" <val@...> wrote:
> >>
> >> Van,
> >>
> >> It sound like a bad tube, but the bias circuit malfunction is also
> >> possible.
> >> If you have a spare pair, you can check whether it will make the
> >> amplifier
> >> happy. If this is the case, don't forget finally to adjust the bias
> >> according to the new pair needs.
> >>
> >> 73, Val LZ1VB
> >>
> >> > While operating on 10 meter SSB at 1 kw the amp shut down and the red

> >> > Prot
> >> > light (top left) came on and stayed on. I shut the unit down waited 5
> >> > min
> >> > and turned it back on. it came up OK and operated for about 20 seconds
> >> > before shutting down again.
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> >> > I restarted the unit and after the normal warm up waiting period the
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> >> > operating as it should (open on receive and shorted during
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> >> > Any help appreciated. Van W4GIW a ham for 59 years.
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5147. New 2000A - What to look out for

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:01:00 UTC
From: rick_nd4p
Topic: 5147 Message: 5147

Hello all! After a lot of research and many discussions with other hams I finally did the deed and bought a new 2000A from Array Solutions. The brown truck just dropped it off. This is going to swap out an AL-1500 that I've been running for the past couple of years. Anything I need to look out for or things I need to be aware of or other words of wisdom as I get ready to put the 2000A into service?

Thanks
Rick - ND4P

5148. Re: [acom-list] New 2000A - What to look out for

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:02:25 UTC
From: W5OV@w5ov.com
Topic: 5147 Message: 5148

Just pop the transformer in, re-install all the cabinet screws, and enjoy it.

73,

Bob W5OV
Array Solutions

> Hello all! After a lot of research and many discussions with other hams I
> finally did the deed and bought a new 2000A from Array Solutions. The
> brown truck just dropped it off. This is going to swap out an AL-1500 that
> I've been running for the past couple of years. Anything I need to look
> out for or things I need to be aware of or other words of wisdom as I get
> ready to put the 2000A into service?
>
> Thanks
> Rick - ND4P
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5149. RE: [acom-list] New 2000A - What to look out for

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:05:03 UTC
From: Ron Castro
Topic: 5147 Message: 5149

The front power switch is upside down from American standards. Down is on, up is off...like in EU. Also, the fan is so quiet, you won't know it's on. You'll love the amp!

Ron Castro
N6IE
www.N6IE.com
Member:
REDXA NCCC
NCDXF ARRL

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of rick_nd4p
Sent: Tuesday, October 30, 2012 10:01 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] New 2000A - What to look out for

Hello all! After a lot of research and many discussions with other hams I finally did the deed and bought a new 2000A from Array Solutions. The brown truck just dropped it off. This is going to swap out an AL-1500 that I've been running for the past couple of years. Anything I need to look out for or things I need to be aware of or other words of wisdom as I get ready to put the 2000A into service?

Thanks
Rick - ND4P

Yahoo! Groups Links

5150. Re: [acom-list] New 2000A - What to look out for

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:20:02 UTC
From: Paul M Dunphy
Topic: 5147 Message: 5150

On 10/30/2012 2:01 PM, rick_nd4p wrote:
> Hello all! After a lot of research and many discussions with other hams I finally did the deed and bought a new 2000A from Array Solutions. The brown truck just dropped it off. This is going to swap out an AL-1500 that I've been running for the past couple of years. Anything I need to look out for or things I need to be aware of or other words of wisdom as I get ready to put the 2000A into service?
>
> Thanks
> Rick - ND4P
>
>

Well, it will put out more than 1500 watts. (But so would the AL-1500!) Be sure to hook up the ALC . . . :-)

73, Paul VE1DX

5151. Re: [acom-list] New 2000A - What to look out for

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:30:09 UTC
From: Michael Raskin
Topic: 5147 Message: 5151

Congratulations on your choice. I have the PW-1, ACOM 2000A, Alpha 9500, and Alpha 77Sx - the ACOM is my favorite "go-to" amp. It's the quietist amp and full power and band change is a dit away. Read pages 16-17 about USR-tunings. Easy to do.

Mike, W4UM

----- Original Message -----
From: Paul M Dunphy
To: acom-list@yahoogroups.com
Sent: Tuesday, October 30, 2012 1:20 PM
Subject: Re: [acom-list] New 2000A - What to look out for

On 10/30/2012 2:01 PM, rick_nd4p wrote:
> Hello all! After a lot of research and many discussions with other hams I finally did the deed and bought a new 2000A from Array Solutions. The brown truck just dropped it off. This is going to swap out an AL-1500 that I've been running for the past couple of years. Anything I need to look out for or things I need to be aware of or other words of wisdom as I get ready to put the 2000A into service?
>
> Thanks
> Rick - ND4P
>
>

Well, it will put out more than 1500 watts. (But so would the
AL-1500!) Be sure to hook up the ALC . . . :-)

73, Paul VE1DX

[Non-text portions of this message have been removed]

5152. Re: [acom-list] New 2000A - What to look out for

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:48:23 UTC
From: paul glassman
Topic: 5147 Message: 5152

Whenever I purchased a used sb220, I would get a broomstick, stand back about 4 feet and "punch it on". If it didnt explode on initial start, I was almost comfortable sitting near it in the shack. Never had that problem with my 2000a hihi.
Enjoy your new toy! Paul w8jn

Quantum materiae materietur marmota monax
si marmota monax materiam possit materiari?

From: Michael Raskin <rask1553@bellsouth.net>
To: acom-list@yahoogroups.com
Sent: Tuesday, October 30, 2012 1:30 PM
Subject: Re: [acom-list] New 2000A - What to look out for

Congratulations on your choice. I have the PW-1, ACOM 2000A, Alpha 9500, and Alpha 77Sx - the ACOM is my favorite "go-to" amp. It's the quietist amp and full power and band change is a dit away. Read pages 16-17 about USR-tunings. Easy to do.

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----- Original Message -----
From: Paul M Dunphy
To: acom-list@yahoogroups.com
Sent: Tuesday, October 30, 2012 1:20 PM
Subject: Re: [acom-list] New 2000A - What to look out for

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73, Paul VE1DX

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5153. RE: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 17:49:06 UTC
From: N2TK, Tony
Topic: 5132 Message: 5153

This seems to be a common mode of failure for these tubes - grid bias issues. I have had a pair fail at around 6K hours, which doesn't seem like many hours to me. Had one fail after about 2k hours.

Just curious if the issue is the design of the tube, sensitivity of grid leakage by the amp, or I am just expecting too much out of these tubes?

Overall I am quite pleased with my 2000A for many years. And the support from Array Solutions and Acom has always been first class.

Too bad there wasn't a way to add 6M J

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of wade
Sent: Tuesday, October 30, 2012 10:22 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: low bias warning on 2000A SN #060187

My thanks to all who responded. The problem has been fixed. To those of you who suggested a tube problem you get the cigar. I chose one of the two tubes and replaced it. It was a lucky choice as it was the bad one. Replacing the tube was much easier than the manual would lead you to believe.

Thanks to Jay at Array Solutions for his fine telephone support. The bias was adjusted after replacement. Per Jays instructions, the new tube was allowed to only warm up for two minutes after the normal start up delay, before power was applied at 400 watts. We ran this for a min. or so and then went to 1400 with no problem. The replacement tube had been setting on the shelf unused for at least 5 years. 12 hours later an hour of regular operation at 1200 watts produced only normal results.

I hope these results may inable another owner to solve a tube problemin the future.

Van W4GIW

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , Kees - pa7two <pa7two@...> wrote:
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>
> Hi Dave,
>
> Just out of interest, did you re-adjust the BIAS settings after the first tube swap?

>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
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> Twitter: @PA7TWO
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>
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> From: dave.n3rd@...
> Date: Mon, 29 Oct 2012 19:32:07 -0400
> Subject: Re: [acom-list] low bias warning on 2000A SN #060187
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> the appropriate pins with the front panel removed, without starting the
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> That is until I tried to use the Auto Tune function. It kept giving me an
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> So, I'd bet you have at least one bad tube.
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> 73 - Dave N3RD
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> On 27 Oct 2012 at 23:28, wade wrote:
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> > Any help appreciated. Van W4GIW a ham for 59 years.
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5154. RE: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 18:11:52 UTC
From: W5OV@w5ov.com
Topic: 5132 Message: 5154

Tony - you just need to add an Acom 1500 to handle 6m for you!

> This seems to be a common mode of failure for these tubes - grid bias
> issues. I have had a pair fail at around 6K hours, which doesn't seem like
> many hours to me. Had one fail after about 2k hours.
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> Just curious if the issue is the design of the tube, sensitivity of grid
> leakage by the amp, or I am just expecting too much out of these tubes?
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>
> Too bad there wasn't a way to add 6M J
>
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>
> 73,
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> N2TK, Tony
>
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
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> Of wade
> Sent: Tuesday, October 30, 2012 10:22 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: low bias warning on 2000A SN #060187
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5155. low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 18:14:38 UTC
From: D G
Topic: 5132 Message: 5155

That's what I did, both are quite sweet and like having the 1500 as HF backup to the 2000A, which is an advantage over monoband Alpha 6 meter amp which I onced owned while delivering about the same power.

But I do wish the ACOM 2000A final tubes lasted longer, some I have heard gone at 4000 hours, even while mostly in standby mode.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Tue, 30 Oct 2012 14:11:52 -0400
Subject: RE: [acom-list] Re: low bias warning on 2000A SN #060187

Tony - you just need to add an Acom 1500 to handle 6m for you!

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> tube was much easier than the manual would lead you to believe.
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> I hope these results may inable another owner to solve a tube problemin
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> future.
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> Van W4GIW
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> Kees
> - pa7two <pa7two@...> wrote:
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>> Hi Dave,
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>> Just out of interest, did you re-adjust the BIAS settings after the
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> tube swap?
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>> Vy 73, de Kees - PA7TWO - M5TWO
>> DX IS and CW RULES!
>>
>> Twitter: @PA7TWO
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>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> From: dave.n3rd@...
>> Date: Mon, 29 Oct 2012 19:32:07 -0400
>> Subject: Re: [acom-list] low bias warning on 2000A SN #060187

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5156. Re: [acom-list] low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 18:32:34 UTC
From: W5OV@w5ov.com
Topic: 5132 Message: 5156

Dennis,

Most of the tubes do last a lot longer than that.

The more common experience is for no trouble at all. My amp is now 13 years old, with the original tubes, and has been in virtually every contest since it was new, and it's been to Antigua 3 times in addition to being at multi-ops here in the USA.

These things are very rugged and I suspect many tubes outlast their owners.

73,

Bob W5OV

>
> That's what I did, both are quite sweet and like having the 1500 as HF
> backup to the 2000A, which is an advantage over monoband Alpha 6 meter amp
> which I onced owned while delivering about the same power.
>
> But I do wish the ACOM 2000A final tubes lasted longer, some I have heard
> gone at 4000 hours, even while mostly in standby mode.
>
> 73,
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> Dennis
> N3DG
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> To: acom-list@yahoogroups.com
> From: W5OV@...
> Date: Tue, 30 Oct 2012 14:11:52 -0400
> Subject: RE: [acom-list] Re: low bias warning on 2000A SN #060187
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> Tony - you just need to add an Acom 1500 to handle 6m for you!
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>> issues. I have had a pair fail at around 6K hours, which doesn't seem

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>> many hours to me. Had one fail after about 2k hours.
>>
>> Just curious if the issue is the design of the tube, sensitivity of grid
>> leakage by the amp, or I am just expecting too much out of these tubes?
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>> Overall I am quite pleased with my 2000A for many years. And the support
>> from Array Solutions and Acom has always been first class.
>>
>> Too bad there wasn't a way to add 6M J
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>> 73,
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>> N2TK, Tony
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>>
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf
>> Of wade
>> Sent: Tuesday, October 30, 2012 10:22 AM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Re: low bias warning on 2000A SN #060187
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>> My thanks to all who responded. The problem has been fixed. To those of
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5157. low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 19:03:39 UTC
From: D G
Topic: 5132 Message: 5157

Hi Bob, that is AWESOME.
However, I lost one tube after 4000+ hours and 2 years however, mostly standby mode.
Hoping for better this time around.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Tue, 30 Oct 2012 14:32:34 -0400
Subject: Re: [acom-list] low bias warning on 2000A SN #060187

Dennis,

Most of the tubes do last a lot longer than that.

The more common experience is for no trouble at all. My amp is now 13
years old, with the original tubes, and has been in virtually every
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being at multi-ops here in the USA.

These things are very rugged and I suspect many tubes outlast their owners.

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5158. Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-30 23:28:26 UTC
From: wade
Topic: 5132 Message: 5158

IN answer to those that had questions.

The tube that went bad had 2500 hours and was the original and was 6 to 7 years old. The amp was built in 2006

The fast start up was based on the advice of Jay at Array Solutions. His position is that these tubes rarely ever have a gas problem even when the tube is old and has been sitting on the shelf for years. There is no need to to warm them up for hours as is often recomended. IN this case it appears he is correct.

Thanks for the tip on looking at the tube temp to see if the tubes are significantly different. Obviously they were not matched.

Van W4GIW

--- In acom-list@yahoogroups.com, "rick_nd4p" <rick@...> wrote:
>
> Great that you are going again! Out of curiosity, how old is the amp and the tube(s) that went bad?
>
> Rick - ND4P
>
>
> --- In acom-list@yahoogroups.com, "wade" <giw@> wrote:
> >
> > My thanks to all who responded. The problem has been fixed. To those of you who suggested a tube problem you get the cigar. I chose one of the two tubes and replaced it. It was a lucky choice as it was the bad one. Replacing the tube was much easier than the manual would lead you to believe.
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> > Thanks to Jay at Array Solutions for his fine telephone support. The bias was adjusted after replacement. Per Jays instructions, the new tube was allowed to only warm up for two minutes after the normal start up delay, before power was applied at 400 watts. We ran this for a min. or so and then went to 1400 with no problem. The replacement tube had been setting on the shelf unused for at least 5 years. 12 hours later an hour of regular operation at 1200 watts produced only normal results.
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> > Van W4GIW
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> > --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:
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> > > Hi Dave,
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5159. RE: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-31 11:07:46 UTC
From: Kees - pa7two
Topic: 5132 Message: 5159

I have a comment to as the statement "IN this case it appears he is correct. " This can only maybe be said after many years of trouble free usage of this tube! For now I would say "Not the most ideal procedure, if not the one that should be avoided".

Unless this was an already pre-warmed tube, I would NEVER ever recommend to simply drop-in a NOS tube without pre-heating (and thus activating) the getter material and a proper check afterwards on internal shorts.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: giw@...
Date: Tue, 30 Oct 2012 23:28:26 +0000
Subject: [acom-list] Re: low bias warning on 2000A SN #060187

IN answer to those that had questions.

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Thanks for the tip on looking at the tube temp to see if the tubes are significantly different. Obviously they were not matched.

Van W4GIW

--- In acom-list@yahoogroups.com, "rick_nd4p" <rick@...> wrote:

>

> Great that you are going again! Out of curiosity, how old is the amp and the tube(s) that went bad?

>

> Rick - ND4P

>

>

> --- In acom-list@yahoogroups.com, "wade" <giw@> wrote:

> >

> > My thanks to all who responded. The problem has been fixed. To those of you who suggested a tube problem you get the cigar. I chose one of the two tubes and replaced it. It was a lucky choice as it was the bad one. Replacing the tube was much easier than the manual would lead you to believe.

> >

> > Thanks to Jay at Array Solutions for his fine telephone support. The bias was adjusted after replacement. Per Jays instructions, the new tube was allowed to only warm up for two minutes after the normal start up delay, before power was applied at 400 watts. We ran this for a min. or so and then went to 1400 with no problem. The replacement tube had been setting on the shelf unused for at least 5 years. 12 hours later an hour of regular operation at 1200 watts produced only normal results.

> >

> > I hope these results may inable another owner to solve a tube problemin the future.

> >

> > Van W4GIW

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> > --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:

> > >

> > >

> > > Hi Dave,

> > >

> > > Just out of interest, did you re-adjust the BIAS settings after the first tube swap?

> > >

> > >

> > > Vy 73, de Kees - PA7TWO - M5TWO

> > > DX IS and CW RULES!

> > >

> > > Twitter: @PA7TWO

> > >

> > >

> > >

> > > To: acom-list@yahoogroups.com

> > > From: dave.n3rd@

> > > Date: Mon, 29 Oct 2012 19:32:07 -0400

> > > Subject: Re: [acom-list] low bias warning on 2000A SN #060187

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> > > Van,

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> > > I recently had this exact problem. I first checked the bias level with a DVM on

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> > > the appropriate pins with the front panel removed, without starting the amp

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> > > with the red ON OFF button on the RCU. Perfect. Then while watching the

> > >

> > > bias, I started the amp, and just as it was about to finish the warm up cycle,

> > >

> > > the bias went haywire. This is a sign of a bad tube or tubes. Changed to a

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> > > spare set, and all went well.

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> > > That is until I tried to use the Auto Tune function. It kept giving me an error,

> > >

> > > so I swapped in yet a third set of tubes, and now all is well with the amp.

> > >

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> > >

> > > So, I'd bet you have at least one bad tube.

> > >

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> > >

> > > 73 - Dave N3RD

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> > > On 27 Oct 2012 at 23:28, wade wrote:

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> > > > While operating on 10 meter SSB at 1 kw the amp shut down and the red

> > >

> > > > Prot light (top left) came on and stayed on. I shut the unit down

> > >

> > > > waited 5 min and turned it back on. it came up OK and operated for

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> > > > about 20 seconds before shutting down again.

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> > > > I restarted the unit and after the normal warm up waiting period the

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> > > > unit tried to start up and shut down in about two seconds and left the

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> > > > message that the "start up bias is too low -000 volts".

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> > > > It now does the same on every attempt to run it. The key in line is

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> > > > operating as it should (open on receive and shorted during

> > >

> > > > transmission).

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> > > > Any help appreciated. Van W4GIW a ham for 59 years.

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> > > > Yahoo! Groups Links

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5160. RE: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-31 11:25:31 UTC
From: Hal Kennedy
Topic: 5132 Message: 5160

Yep, I am with Kees, as usual, on this one. These tubes (unless defective) do not leak outside air into their vacuum. But, the getter inside the tube will out-gas to some degree if not heated for a period of years. The ACOM2000 uses a low enough plate voltage that you can probably get away with just popping a NOS tube in and firing it up. But a more cautious approach, and a necessary approach if you are using these tubes elsewhere near their maximum ratings, is to bake them with the filament on and HV off for some number of hours. Most US made tubes use "fired" getters, which are burned inside the envelop at manufacture and in so doing use up any remaining oxygen. Most getters in Russian tubes are more like a desiccant. They bind up oxygen when warmed up and will retain that oxygen for months or years, but not forever. Restoring the best possible vacuum just requires heating them up again.

My tube life here is running around 3000 hours. I asked Tom (sk), of Tom's Tubes once what he was seeing. His answer was 3000 hours. I suspect the distribution is very wide and someone could easily wind up with an 8000 hour tube. Or a 2000 hour tube. There is also known lot-dependence on GU-74bs.

73,
Hal N4GG

I have a comment to as the statement "IN this case it appears he is correct. " This can only maybe be said after many years of trouble free usage of this tube! For now I would say "Not the most ideal procedure, if not the one that should be avoided".

Unless this was an already pre-warmed tube, I would NEVER ever recommend to simply drop-in a NOS tube without pre-heating (and thus activating) the getter material and a proper check afterwards on internal shorts.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

5161. Re: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-31 11:42:37 UTC
From: George
Topic: 5132 Message: 5161

This weekend I rotated a pair of new 8877s into my Alpha 77sx. Since it was easy to disconnect the HV I let the tubes warm up for several hours. I used a IR heat gun to watch the tube temperatures. Over about 3 hours the rise in temperature was only 7 degrees. Of course the blower was on and pumping lots of air through the tubes, the silicon sleeves were not on the tubes so the air was unimpeded. Based on what I saw would it have been better to put the tubes in an oven at the lowest temp and warm them to activate the getter material than trying to use the amp?

Once the amp was back together I used 10 watts of drive, the low voltage setting and short CW sessions to put heat into the tubes. This process worked well. Most of the information on gettering seems antidotal anyone have definitive recommendations?

73, George W2GS

On 10/31/2012 6:07 AM, Kees - pa7two wrote:
> I have a comment to as the statement "IN this case it appears he is correct. " This can only maybe be said after many years of trouble free usage of this tube! For now I would say "Not the most ideal procedure, if not the one that should be avoided".
>
> Unless this was an already pre-warmed tube, I would NEVER ever recommend to simply drop-in a NOS tube without pre-heating (and thus activating) the getter material and a proper check afterwards on internal shorts.
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
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>
> To: acom-list@yahoogroups.com
> From: giw@...
> Date: Tue, 30 Oct 2012 23:28:26 +0000
> Subject: [acom-list] Re: low bias warning on 2000A SN #060187
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> IN answer to those that had questions.
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> The tube that went bad had 2500 hours and was the original and was 6 to 7 years old. The amp was built in 2006
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>
> The fast start up was based on the advice of Jay at Array Solutions. His position is that these tubes rarely ever have a gas problem even when the tube is old and has been sitting on the shelf for years. There is no need to to warm them up for hours as is often recomended. IN this case it appears he is correct.
>
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>
> Thanks for the tip on looking at the tube temp to see if the tubes are significantly different. Obviously they were not matched.
>
>
>
> Van W4GIW
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>
> --- In acom-list@yahoogroups.com, "rick_nd4p" <rick@...> wrote:
>
>> Great that you are going again! Out of curiosity, how old is the amp and the tube(s) that went bad?
>> Rick - ND4P

>> --- In acom-list@yahoogroups.com, "wade" <giw@> wrote:
>>> My thanks to all who responded. The problem has been fixed. To those of you who suggested a tube problem you get the cigar. I chose one of the two tubes and replaced it. It was a lucky choice as it was the bad one. Replacing the tube was much easier than the manual would lead you to believe.
>>> Thanks to Jay at Array Solutions for his fine telephone support. The bias was adjusted after replacement. Per Jays instructions, the new tube was allowed to only warm up for two minutes after the normal start up delay, before power was applied at 400 watts. We ran this for a min. or so and then went to 1400 with no problem. The replacement tube had been setting on the shelf unused for at least 5 years. 12 hours later an hour of regular operation at 1200 watts produced only normal results.
>>> I hope these results may inable another owner to solve a tube problemin the future.
>>> Van W4GIW
>>> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:
>>>> Hi Dave,
>>>> Just out of interest, did you re-adjust the BIAS settings after the first tube swap?
>>>> Vy 73, de Kees - PA7TWO - M5TWO
>>>> DX IS and CW RULES!
>>>> Twitter: @PA7TWO
>>>> To: acom-list@yahoogroups.com
>>>> From: dave.n3rd@
>>>> Date: Mon, 29 Oct 2012 19:32:07 -0400
>>>> Subject: Re: [acom-list] low bias warning on 2000A SN #060187
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>>>>
>>>> Van,
>>>> I recently had this exact problem. I first checked the bias level with a DVM on
>>>> the appropriate pins with the front panel removed, without starting the amp
>>>> with the red ON OFF button on the RCU. Perfect. Then while watching the
>>>> bias, I started the amp, and just as it was about to finish the warm up cycle,
>>>> the bias went haywire. This is a sign of a bad tube or tubes. Changed to a
>>>> spare set, and all went well.
>>>> That is until I tried to use the Auto Tune function. It kept giving me an error,
>>>> so I swapped in yet a third set of tubes, and now all is well with the amp.
>>>> So, I'd bet you have at least one bad tube.
>>>> 73 - Dave N3RD
>>>> On 27 Oct 2012 at 23:28, wade wrote:
>>>>> While operating on 10 meter SSB at 1 kw the amp shut down and the red
>>>>> Prot light (top left) came on and stayed on. I shut the unit down
>>>>> waited 5 min and turned it back on. it came up OK and operated for
>>>>> about 20 seconds before shutting down again.
>>>>> I restarted the unit and after the normal warm up waiting period the
>>>>> unit tried to start up and shut down in about two seconds and left the
>>>>> message that the "start up bias is too low -000 volts".
>>>>> It now does the same on every attempt to run it. The key in line is
>>>>> operating as it should (open on receive and shorted during
>>>>> transmission).

>>>>> Any help appreciated. Van W4GIW a ham for 59 years.
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>>>>> Yahoo! Groups Links
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5162. AW: [acom-list] Re: low bias warning on 2000A SN #060187

Yahoo group: acom-list (2010 — 2016)
Date: 2012-10-31 11:58:06 UTC
From: Markus Schleutermann
Topic: 5132 Message: 5162

Here some information about tube life: had to replace the tubes of my ACOM2000 after 29'000 hours of permanent 24/24 operation in a remote station, had also BIAS errors, low gain etc. Bought my tubes from vinecom, UK, Ron is a nice and helpful guy, affordable price and good matched tubes with measured and documented values, all your questions about pricing, delivery etc. are answered within minutes. Delivery to Switzerland took 8 days only. Change was easy, just follow the instructions in this forum. The amp delivers an output for 1.5 kw to the dummy load when driving it with 35 watts. A friend of mine had to change tubes after 9000 hours of operation in another remote.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Im Auftrag von Hal Kennedy
Gesendet: Mittwoch, 31. Oktober 2012 12:26
An: acom-list@yahoogroups.com
Betreff: RE: [acom-list] Re: low bias warning on 2000A SN #060187

Yep, I am with Kees, as usual, on this one. These tubes (unless defective) do not leak outside air into their vacuum. But, the getter inside the tube will out-gas to some degree if not heated for a period of years. The ACOM2000 uses a low enough plate voltage that you can probably get away with just popping a NOS tube in and firing it up. But a more cautious approach, and a necessary approach if you are using these tubes elsewhere near their maximum ratings, is to bake them with the filament on and HV off for some number of hours. Most US made tubes use "fired" getters, which are burned inside the envelop at manufacture and in so doing use up any remaining oxygen. Most getters in Russian tubes are more like a desiccant. They bind up oxygen when warmed up and will retain that oxygen for months or years, but not forever. Restoring the best possible vacuum just requires heating them up again.

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Hal N4GG

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Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

[Non-text portions of this message have been removed]

5163. Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 04:55:44 UTC
From: Philippe ON4VP
Topic: 5163 Message: 5163

Hi group,

Just got word that my amplifier is on transport so it won't be long until I receive the Acom2000a.
It will be shipped with the new RCU.

I've been reading the (old) manual and found most things easy to understand. I own a Acom1000 to.
My guess there will be some changes regarding the new RCU but my most important question is what to do after installing the transformer.

I have 3 antennas.

1: Optibeam 5 band yagi, single feedline -> n°1 on coax switch (bands 10-12-15-17-20)
2: Dipole for 2 bands, single feedline -> n°2 on coax switch (bands 40-80)
3: Dipole for 1 band, single feedline -> n° 3 on coax switch (band 30)

Now I will run the amp from the microham station master, I have the special Acom2000a cable delivered.
The cable comes in two parts, one for the PA port to the Key in and Key out and one part for RS232

The station master manual explains that when first used, I need to tune all my antennas for all the bands they will be used on.
I have to assign a sequel number to the antenna so the station master can command the Acom2000a to tune the antenna from memory before I even transmit.

So how do I best proceed, just install transformer, switch on, and start with antenna 1, 2, 3 ... and tune all bands (segments).
For example, I start setting for 10 meters, select antenna 1 on the RCU and start from 28.000 and go up from there to 29.700, switch to 12 meters and do the same for all 5 bands... go to 2nd antenna and select antenna 2 on RCU, etc...

I hope I've filtered out the correct information. For those I want to check my findings, you can look at page 28 (serial functions) in the station masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf

Thanks for any advise.
73 Phil.

[Non-text portions of this message have been removed]

5164. Re: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 09:25:38 UTC
From: Brian Alsop
Topic: 5163 Message: 5164

Hi Philippe,
I don't have the new RCU .
Regardless, I would take a step by step approach.
1)Use the ACOM stand alone without the microham station master. That is to say tune all segments for each antenna on each band.
2)Once you have done 1) and operated some then fool around with station master. There are likely some setup glitches both software and hardware.

While nice to have the amp "pretuned", it isn't necessary for operation as long as the correct antenna is present. The ACOM senses frequency and sets its segment tunings before a first syllable or dit is complete.

73 de Brian/K3KO

On 11/3/2012 04:55, Philippe ON4VP wrote:
> Hi group,
>
> Just got word that my amplifier is on transport so it won't be long until I receive the Acom2000a.
> It will be shipped with the new RCU.
>
> I've been reading the (old) manual and found most things easy to understand. I own a Acom1000 to.
> My guess there will be some changes regarding the new RCU but my most important question is what to do after installing the transformer.
>
> I have 3 antennas.
>
> 1: Optibeam 5 band yagi, single feedline -> n°1 on coax switch (bands 10-12-15-17-20)
> 2: Dipole for 2 bands, single feedline -> n°2 on coax switch (bands 40-80)
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>
> Now I will run the amp from the microham station master, I have the special Acom2000a cable delivered.
> The cable comes in two parts, one for the PA port to the Key in and Key out and one part for RS232
>
> The station master manual explains that when first used, I need to tune all my antennas for all the bands they will be used on.
> I have to assign a sequel number to the antenna so the station master can command the Acom2000a to tune the antenna from memory before I even transmit.
>
> So how do I best proceed, just install transformer, switch on, and start with antenna 1, 2, 3 ... and tune all bands (segments).

> For example, I start setting for 10 meters, select antenna 1 on the RCU and
> start from 28.000 and go up from there to 29.700, switch to 12 meters and
> do the same for all 5 bands... go to 2nd antenna and select antenna 2 on
> RCU, etc...
>
> I hope I've filtered out the correct information. For those I want to check
> my findings, you can look at page 28 (serial functions) in the station
> masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf
>
> Thanks for any advise.
> 73 Phil.
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2221 / Virus Database: 2441/5369 - Release Date: 11/02/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2441/5370 - Release Date: 11/02/12

5165. Acom 1000 not starting.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 09:55:32 UTC
From: PY2SEX - ALEX
Topic: 5163 Message: 5165

Hello all,
I just bought an used ACOM 1000 last month and I was waiting for my relay cable for the entire month to turn my PA on.
I saw the old owner showing me that was working, tuning on all bands with a max 1.2kw.
Long story short, I turned my Amplifier on and didn't work, right during the warmup I've got a message about SB26. So I checked the voltage and saw that was set to 240v and here it is 220v, I changed as show in the manual and did't work again. any thoughts?

Here are the messages from the first time to now

1ASB26 000000 000006
1BB298 0320DC D77FFB
2ASB26 000000 000006
2BB197 0720DC D77FF3
3ASB26 000000 000006
3BA699 0320DC D77FEE
4ASB26 000000 000006
4BA69A 0720DC D77FE9
5ASB26 000000 000006
5BA69A 0320DC D77FED
6ASB26 000000 000006
6BA69A 0720DC D77FE9
7ASB26 000000 000006
7BA69A 0320DC D77FED

Any idea?

5166. RE: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 12:22:59 UTC
From: Bob Naumann
Topic: 5163 Message: 5166

I'm not sure why Microham is telling you that you have to tune the amplifier for your antennas.

The Acom 2000A has default tunings for every band that you can use without trouble unless your SWR is very bad. And, if so, you only need to tune the amplifier where the SWR is bad.

I think you are making this much more complicated than it needs to be.

I would connect the amplifier without the station master and get familiar with the amplifier.

You may find that the station master adds nothing aside from complexity to your station.

73,

Bob W5OV
Array Solutions
USA Acom Dealer

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Philippe ON4VP
Sent: Friday, November 02, 2012 11:56 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom2000a first time use.

Hi group,

Just got word that my amplifier is on transport so it won't be long until I receive the Acom2000a.
It will be shipped with the new RCU.

I've been reading the (old) manual and found most things easy to understand. I own a Acom1000 to.
My guess there will be some changes regarding the new RCU but my most important question is what to do after installing the transformer.

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1: Optibeam 5 band yagi, single feedline -> n°1 on coax switch (bands 10-12-15-17-20)
2: Dipole for 2 bands, single feedline -> n°2 on coax switch (bands 40-80)
3: Dipole for 1 band, single feedline -> n° 3 on coax switch (band 30)

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The cable comes in two parts, one for the PA port to the Key in and Key out and one part for RS232

The station master manual explains that when first used, I need to tune all my antennas for all the bands they will be used on.
I have to assign a sequel number to the antenna so the station master can command the Acom2000a to tune the antenna from memory before I even transmit.

So how do I best proceed, just install transformer, switch on, and start with antenna 1, 2, 3 ... and tune all bands (segments).
For example, I start setting for 10 meters, select antenna 1 on the RCU and start from 28.000 and go up from there to 29.700, switch to 12 meters and do the same for all 5 bands... go to 2nd antenna and select antenna 2 on RCU, etc...

I hope I've filtered out the correct information. For those I want to check my findings, you can look at page 28 (serial functions) in the station masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf

Thanks for any advise.
73 Phil.

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5167. Re: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 13:07:24 UTC
From: Brian Alsop
Topic: 5163 Message: 5167

Also, depending upon your type of operating, having the ACOM2000 retune
as you tune your RX across the tuning segment boundaries will add noise
from and duty cycle to the tuning gizmos. They are noisy. It makes
more sense to me to not retune until you have to transmit. One dit and
it's tuned.

I'm personally a KISS person and agree with Bob on not adding complexity.

I don't agree with Bob that retuning (once/segment) is generally
unnecessary. I don't live in Bob's world were all antennas are
perfectly matched-- especially when going from low CW to high SSB freqs.
You do this only once unless you change antennas. Why not do it for
all segments.

73 de Brian/K3KO

On 11/3/2012 12:22, Bob Naumann wrote:
> I'm not sure why Microham is telling you that you have to tune the amplifier
> for your antennas.
>
> The Acom 2000A has default tunings for every band that you can use without
> trouble unless your SWR is very bad. And, if so, you only need to tune the
> amplifier where the SWR is bad.
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> I think you are making this much more complicated than it needs to be.
>
> I would connect the amplifier without the station master and get familiar
> with the amplifier.
>
> You may find that the station master adds nothing aside from complexity to
> your station.
>
> 73,
>
> Bob W5OV
> Array Solutions
> USA Acom Dealer
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On Behalf
> Of Philippe ON4VP
> Sent: Friday, November 02, 2012 11:56 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] Acom2000a first time use.

>
> Hi group,
>
> Just got word that my amplifier is on transport so it won't be long until I
> receive the Acom2000a.
> It will be shipped with the new RCU.
>
> I've been reading the (old) manual and found most things easy to
> understand. I own a Acom1000 to.
> My guess there will be some changes regarding the new RCU but my most
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> Now I will run the amp from the microham station master, I have the special
> Acom2000a cable delivered.
> The cable comes in two parts, one for the PA port to the Key in and Key out
> and one part for RS232
>
> The station master manual explains that when first used, I need to tune all
> my antennas for all the bands they will be used on.
> I have to assign a sequel number to the antenna so the station master can
> command the Acom2000a to tune the antenna from memory before I even
> transmit.
>
> So how do I best proceed, just install transformer, switch on, and start
> with antenna 1, 2, 3 ... and tune all bands (segments).
> For example, I start setting for 10 meters, select antenna 1 on the RCU and
> start from 28.000 and go up from there to 29.700, switch to 12 meters and
> do the same for all 5 bands... go to 2nd antenna and select antenna 2 on
> RCU, etc...
>
> I hope I've filtered out the correct information. For those I want to check
> my findings, you can look at page 28 (serial functions) in the station
> masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf
>
> Thanks for any advise.
> 73 Phil.
>
> [Non-text portions of this message have been removed]
>
> ------------------------------------
>
> Yahoo! Groups Links
>

>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2221 / Virus Database: 2441/5370 - Release Date: 11/02/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2441/5370 - Release Date: 11/02/12

5168. RE: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 13:23:42 UTC
From: Bob Naumann
Topic: 5163 Message: 5168

Brian,

My concern is the "have to" that is being associated with the user tunings. It is totally optional to do this, and recommended in cases of poor SWR.

There is no requirement that you have to use the feature that allows for user tunings. You certainly can, and if you feel it's necessary, by all means go ahead.

The point is that with most antennas (like Phil's OptiBeam) that have a good SWR, you just don't need to do it.

Regarding the retuning, the way the new RCU works is precisely as you have described.
That is, (if you have your radio interfaced) as you turn the dial, or change bands, the motors in the 2000A will move and have the amp pre-adjusted for you without you needing to give the amp any RF to detect where it should go.

There are two schools of thought on this:
1: the new Acom approach is the keep the amp tuned as you move your radio around; and
2: the new OM Power amplifiers will stay with you as long as you don't change bands - upon a band change, the OM Power amp requires you to do a PTT operation to "confirm" that you have changed bands and it needs to retune there.

I understand both, and I'm not sure which is better.

As far as the noise goes, retuning within a band makes very little noise as the bandswitch is not actuated and the cap motors turn very little. Going to another band is a bit more noisy as the band switch operates and the caps can turn a lot. As you might imagine, going to an adjacent band is less noisy than going from 160 to 10m for example.

I think the original, RF Sense band change method is still very good and the fully automatic features that will be present in the new RCU are not necessarily a panacea.
I suspect that many users will not interface their radios and continue to use the proven RF sense method as it is indeed simpler.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Brian Alsop
Sent: Saturday, November 03, 2012 8:07 AM

To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom2000a first time use.

Also, depending upon your type of operating, having the ACOM2000 retune
as you tune your RX across the tuning segment boundaries will add noise
from and duty cycle to the tuning gizmos. They are noisy. It makes
more sense to me to not retune until you have to transmit. One dit and
it's tuned.

I'm personally a KISS person and agree with Bob on not adding complexity.

I don't agree with Bob that retuning (once/segment) is generally
unnecessary. I don't live in Bob's world were all antennas are
perfectly matched-- especially when going from low CW to high SSB freqs.
You do this only once unless you change antennas. Why not do it for
all segments.

73 de Brian/K3KO

On 11/3/2012 12:22, Bob Naumann wrote:
> I'm not sure why Microham is telling you that you have to tune the
amplifier
> for your antennas.
>
> The Acom 2000A has default tunings for every band that you can use without
> trouble unless your SWR is very bad. And, if so, you only need to tune the
> amplifier where the SWR is bad.
>
> I think you are making this much more complicated than it needs to be.
>
> I would connect the amplifier without the station master and get familiar
> with the amplifier.
>
> You may find that the station master adds nothing aside from complexity to
> your station.
>
> 73,
>
> Bob W5OV
> Array Solutions
> USA Acom Dealer
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
> On Behalf
> Of Philippe ON4VP
> Sent: Friday, November 02, 2012 11:56 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] Acom2000a first time use.
>

> Hi group,
>
> Just got word that my amplifier is on transport so it won't be long until
I
> receive the Acom2000a.
> It will be shipped with the new RCU.
>
> I've been reading the (old) manual and found most things easy to
> understand. I own a Acom1000 to.
> My guess there will be some changes regarding the new RCU but my most
> important question is what to do after installing the transformer.
>
> I have 3 antennas.
>
> 1: Optibeam 5 band yagi, single feedline -> n°1 on coax switch (bands
> 10-12-15-17-20)
> 2: Dipole for 2 bands, single feedline -> n°2 on coax switch (bands 40-80)
> 3: Dipole for 1 band, single feedline -> n° 3 on coax switch (band 30)

>
> Now I will run the amp from the microham station master, I have the
special
> Acom2000a cable delivered.
> The cable comes in two parts, one for the PA port to the Key in and Key
out
> and one part for RS232
>
> The station master manual explains that when first used, I need to tune
all
> my antennas for all the bands they will be used on.
> I have to assign a sequel number to the antenna so the station master can
> command the Acom2000a to tune the antenna from memory before I even
> transmit.
>
> So how do I best proceed, just install transformer, switch on, and start

> with antenna 1, 2, 3 ... and tune all bands (segments).
> For example, I start setting for 10 meters, select antenna 1 on the RCU
and
> start from 28.000 and go up from there to 29.700, switch to 12 meters and
> do the same for all 5 bands... go to 2nd antenna and select antenna 2 on

> RCU, etc...
>
> I hope I've filtered out the correct information. For those I want to
check
> my findings, you can look at page 28 (serial functions) in the station
> masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf

>
> Thanks for any advise.

> 73 Phil.
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2221 / Virus Database: 2441/5370 - Release Date: 11/02/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2441/5370 - Release Date: 11/02/12

Yahoo! Groups Links

5169. Re: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 13:26:25 UTC
From: Jim Idelson
Topic: 5163 Message: 5169

We have had software in the contest station here that would pre-tune the amp before transmitting as it was switched amongst antennas, bands and band segments by computer control. When its all setup and working properly, I think it makes contest operation smoother.

Regarding the need for tuning each segment, our experience is that, while the amp is very tolerant of imperfect tuning, things do get better when custom tuning has been performed. It's much easier to stay away from tuning-related tripping of the protection threshold if things have been pre-tweaked. Tuning also tends to ensure that you get relatively constant output from the amp for the same drive level as you switch amongst antennas and frequencies.

It really isn't fun to click on a spot, wait for the perfect moment to call into the pile, and then your amp trips out. It also doesn't feel great to arrive on the DX QRG and send a few dits to make sure you're tuned . . .

All that said, I totally agree with Bob that the place to start is with the standard configs - leaving the Station Master out initially - and learn how the amp works and how it behaves in your station, with your antennas. Then proceed to make decisions about what tuning is required, and finally add the Station Master to complete the solution with the pre-tune feature.

73,

Jim K1IR

On 11/3/12 9:07 AM, Brian Alsop wrote:
> Also, depending upon your type of operating, having the ACOM2000 retune
> as you tune your RX across the tuning segment boundaries will add noise
> from and duty cycle to the tuning gizmos. They are noisy. It makes
> more sense to me to not retune until you have to transmit. One dit and
> it's tuned.
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> I'm personally a KISS person and agree with Bob on not adding complexity.
>
> I don't agree with Bob that retuning (once/segment) is generally
> unnecessary. I don't live in Bob's world were all antennas are
> perfectly matched-- especially when going from low CW to high SSB freqs.
> You do this only once unless you change antennas. Why not do it for
> all segments.
>
> 73 de Brian/K3KO
>

> On 11/3/2012 12:22, Bob Naumann wrote:
>> I'm not sure why Microham is telling you that you have to tune the amplifier
>> for your antennas.
>>
>> The Acom 2000A has default tunings for every band that you can use without
>> trouble unless your SWR is very bad. And, if so, you only need to tune the
>> amplifier where the SWR is bad.
>>
>> I think you are making this much more complicated than it needs to be.
>>
>> I would connect the amplifier without the station master and get familiar
>> with the amplifier.
>>
>> You may find that the station master adds nothing aside from complexity to
>> your station.
>>
>> 73,
>>
>> Bob W5OV
>> Array Solutions
>> USA Acom Dealer
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>]
>> On Behalf
>> Of Philippe ON4VP
>> Sent: Friday, November 02, 2012 11:56 PM
>> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>> Subject: [acom-list] Acom2000a first time use.
>>
>> Hi group,
>>
>> Just got word that my amplifier is on transport so it won't be long until I
>> receive the Acom2000a.
>> It will be shipped with the new RCU.
>>
>> I've been reading the (old) manual and found most things easy to
>> understand. I own a Acom1000 to.
>> My guess there will be some changes regarding the new RCU but my most
>> important question is what to do after installing the transformer.
>>
>> I have 3 antennas.
>>
>> 1: Optibeam 5 band yagi, single feedline -> n?1 on coax switch (bands
>> 10-12-15-17-20)
>> 2: Dipole for 2 bands, single feedline -> n?2 on coax switch (bands 40-80)
>> 3: Dipole for 1 band, single feedline -> n? 3 on coax switch (band 30)
>>
>> Now I will run the amp from the microham station master, I have the special

>> Acom2000a cable delivered.
>> The cable comes in two parts, one for the PA port to the Key in and Key out
>> and one part for RS232
>>
>> The station master manual explains that when first used, I need to tune all
>> my antennas for all the bands they will be used on.
>> I have to assign a sequel number to the antenna so the station master can
>> command the Acom2000a to tune the antenna from memory before I even
>> transmit.
>>
>> So how do I best proceed, just install transformer, switch on, and start
>> with antenna 1, 2, 3 ... and tune all bands (segments).
>> For example, I start setting for 10 meters, select antenna 1 on the RCU and
>> start from 28.000 and go up from there to 29.700, switch to 12 meters and
>> do the same for all 5 bands... go to 2nd antenna and select antenna 2 on
>> RCU, etc...
>>
>> I hope I've filtered out the correct information. For those I want to check
>> my findings, you can look at page 28 (serial functions) in the station
>> masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf
>>
>> Thanks for any advise.
>> 73 Phil.
>>
>> [Non-text portions of this message have been removed]
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>> ------------------------------------
>>
>> Yahoo! Groups Links
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>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
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> Yahoo! Groups Links

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5170. Re: [acom-list] Acom 1000 not starting.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 13:38:16 UTC
From: Mike Harris
Topic: 5163 Message: 5170

SB26. This indicates plate current during standby. The Acom 1000
signals spreadsheet decodes this to 30mA. However, the spreadsheet does
take a bit of interpreting.

It would be useful if this could be put in the files area. With a few
example protection code decodes.

Regards,

Mike VP8NO

On 03/11/2012 06:55, PY2SEX - ALEX wrote:
> Hello all,
> I just bought an used ACOM 1000 last month and I was waiting for my relay cable for the entire month to turn my PA on.
> I saw the old owner showing me that was working, tuning on all bands with a max 1.2kw.
> Long story short, I turned my Amplifier on and didn't work, right during the warmup I've got a message about SB26. So I checked the voltage and saw that was set to 240v and here it is 220v, I changed as show in the manual and did't work again. any thoughts?
>
> Here are the messages from the first time to now
>
> 1ASB26 000000 000006
> 1BB298 0320DC D77FFB
> 2ASB26 000000 000006
> 2BB197 0720DC D77FF3
> 3ASB26 000000 000006
> 3BA699 0320DC D77FEE
> 4ASB26 000000 000006
> 4BA69A 0720DC D77FE9
> 5ASB26 000000 000006
> 5BA69A 0320DC D77FED
> 6ASB26 000000 000006
> 6BA69A 0720DC D77FE9
> 7ASB26 000000 000006
> 7BA69A 0320DC D77FED
>
> Any idea?

5171. Re: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 17:05:28 UTC
From: bill ny9h
Topic: 5163 Message: 5171

getting the new controller ....great timing
was there a higher price .???...

bill

At 12:55 AM 11/3/2012, you wrote:
>Hi group,
>
>Just got word that my amplifier is on transport so it won't be long until I
>receive the Acom2000a.
>It will be shipped with the new RCU.
>
>I've been reading the (old) manual and found most things easy to
>understand. I own a Acom1000 to.
>My guess there will be some changes regarding the new RCU but my most
>important question is what to do after installing the transformer.
>
>I have 3 antennas.
>
>1: Optibeam 5 band yagi, single feedline -> n°1 on coax switch (bands
>10-12-15-17-20)
>2: Dipole for 2 bands, single feedline -> n°2 on coax switch (bands 40-80)
>3: Dipole for 1 band, single feedline -> n° 3 on coax switch (band 30)
>
>Now I will run the amp from the microham station master, I have the special
>Acom2000a cable delivered.
>The cable comes in two parts, one for the PA port to the Key in and Key out
>and one part for RS232
>
>The station master manual explains that when first used, I need to tune all
>my antennas for all the bands they will be used on.
>I have to assign a sequel number to the antenna so the station master can
>command the Acom2000a to tune the antenna from memory before I even
>transmit.
>
>So how do I best proceed, just install transformer, switch on, and start
>with antenna 1, 2, 3 ... and tune all bands (segments).
>For example, I start setting for 10 meters, select antenna 1 on the RCU and
>start from 28.000 and go up from there to 29.700, switch to 12 meters and
>do the same for all 5 bands... go to 2nd antenna and select antenna 2 on
>RCU, etc...
>
>I hope I've filtered out the correct information. For those I want to check
>my findings, you can look at page 28 (serial functions) in the station
>masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf

>
>Thanks for any advise.
>73 Phil.
>
>
>[Non-text portions of this message have been removed]
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>Yahoo! Groups Links
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5172. Re: [acom-list] Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-03 17:41:56 UTC
From: Dean St. Hill
Topic: 5163 Message: 5172

I don't own the Acom 2000 (yet) but I do use the Station Master with a number of antennas and bandpass filters.

First I agree with Bob - use the amp first, get familiar with it, then integrate it into the station.

Station Master practically has endless possibilities and I think you need to integrate it step by step.

I do believe it is however critical to establish your the PTT and possibly your PTT out using SM as this assures that there is no hot switching and that the time it takes for your switch to change bands is taken into consideration. Hot-switching may not be the correct technical term actually but essentially operating into your antenna moments before the relay closes. This is especially important if you're planning on QSK.

SM is a pretty complex piece of equipment as is the A2000 so you need to be sure you understand fully itsoperational parameters before hook-up. If in doubt I think a query on the uHam list or to their support would be in order.

Regards,

Dean -8P6SH

On Sat, Nov 3, 2012 at 1:05 PM, bill ny9h <ny9h@arrl.net> wrote:

> **
>
>
>
> getting the new controller ....great timing
> was there a higher price .???...
>
> bill
>
>
> At 12:55 AM 11/3/2012, you wrote:
> >Hi group,
> >
> >Just got word that my amplifier is on transport so it won't be long until
> I
> >receive the Acom2000a.
> >It will be shipped with the new RCU.
> >
> >I've been reading the (old) manual and found most things easy to
> >understand. I own a Acom1000 to.

> >My guess there will be some changes regarding the new RCU but my most
> >important question is what to do after installing the transformer.
> >
> >I have 3 antennas.
> >
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> >10-12-15-17-20)
> >2: Dipole for 2 bands, single feedline -> n?2 on coax switch (bands 40-80)
> >3: Dipole for 1 band, single feedline -> n? 3 on coax switch (band 30)
> >
> >Now I will run the amp from the microham station master, I have the
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> >Acom2000a cable delivered.
> >The cable comes in two parts, one for the PA port to the Key in and Key
> out
> >and one part for RS232
> >
> >The station master manual explains that when first used, I need to tune
> all
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> >I have to assign a sequel number to the antenna so the station master can
> >command the Acom2000a to tune the antenna from memory before I even
> >transmit.
> >
> >So how do I best proceed, just install transformer, switch on, and start
> >with antenna 1, 2, 3 ... and tune all bands (segments).
> >For example, I start setting for 10 meters, select antenna 1 on the RCU
> and
> >start from 28.000 and go up from there to 29.700, switch to 12 meters and
> >do the same for all 5 bands... go to 2nd antenna and select antenna 2 on
> >RCU, etc...
> >
> >I hope I've filtered out the correct information. For those I want to
> check
> >my findings, you can look at page 28 (serial functions) in the station
> >masters manual : http://www.microham.com/Downloads/SM_English_Manual.pdf
> >
> >Thanks for any advise.
> >73 Phil.
> >
> >
> >[Non-text portions of this message have been removed]
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> >Yahoo! Groups Links
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Dean St.Hill
*
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*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*
dmsthill@...

[Non-text portions of this message have been removed]

5173. Re: Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 05:04:26 UTC
From: Philippe ON4VP
Topic: 5163 Message: 5173

Thanks for all the extra info.

I think I agree to first get to know the amp and how it performs using it own rf sensing tuning.
If I continue to do that while learning the way the amp works on all my antennas, the amp will be pre-tuned for all bands on all my 3 antennas.

It is not the Station Master, imho, that makes it more complicated. If I want I just can wire the PA out to the key in and I'm done.

But I agree with Jim. Once I will interface the Station Master with the serial cable, my system will preset the Acom2000 when moving bands or switching antennas. The best part is that with all the features in dx spots in logging software, the amp will be set for the correct frequency when I click a spot or dx.

The Station Master works FB with my SPE Expert right now. It does about the same. Besides that, the Station Master also rotates my yagi and switch my coax relay for antennas. It is a box that provides automation to amplifiers, rotators and band masters.

The only thing to keep in mind is to carefully read manuals and set it up in a decent way. After that it is a joy to run a station that is controlled just the way you set it up so you can concentrate on working dx without trouble. To me it makes a big difference and it kept me away from making mistakes in the heat of the battle.

73 Phil.

[Non-text portions of this message have been removed]

5174. Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 16:46:55 UTC
From: Tim
Topic: 5174 Message: 5174

Hi All
Looking for some help and advice from those that know (hopefully)
I have an Acom 1000 that transmits full power etc.
My problem is when i press the OPER button to turn on the amp it attenuates the received signal from the radio.
I am thinking that it is possibly a sticking relay?
I have had this problem before a couple of times and cannot remember what i was told to do to resolve the problem
If there are any solutions i would greatly appreciate any input.
Thanks
Tim

5175. Re: Acom2000a first time use.

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 17:58:33 UTC
From: Philippe ON4VP
Topic: 5163 Message: 5175

I can't tell since I'm not aware of prices before. I just put down the order 4 weeks ago and have been informed that the delivery will take place this week.

73 Phil.

[Non-text portions of this message have been removed]

5176. RE: [acom-list] Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 19:13:08 UTC
From: Kees - pa7two
Topic: 5174 Message: 5176

Sounds indeed like a 'sticky' relais to me. What is your radio, an Icom?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: gerald@...
Date: Sun, 4 Nov 2012 16:46:55 +0000
Subject: [acom-list] Acom 1000 Recieve problem

Hi All

Looking for some help and advice from those that know (hopefully)

I have an Acom 1000 that transmits full power etc.

My problem is when i press the OPER button to turn on the amp it attenuates the received signal from the radio.

I am thinking that it is possibly a sticking relay?

I have had this problem before a couple of times and cannot remember what i was told to do to resolve the problem

If there are any solutions i would greatly appreciate any input.

Thanks

Tim

[Non-text portions of this message have been removed]

5177. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 19:33:19 UTC
From: Tim
Topic: 5174 Message: 5177

Hi Kees
Yes I run a Icom 756 pro 3
Thanks for your interest
Is there a procedure to reset the Acom do you know?
73 Tim

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Sounds indeed like a 'sticky' relais to me. What is your radio, an Icom?
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
>
>
> To: acom-list@yahoogroups.com
> From: gerald@...
> Date: Sun, 4 Nov 2012 16:46:55 +0000
> Subject: [acom-list] Acom 1000 Recieve problem
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> Hi All
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>
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>
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> I am thinking that it is possibly a sticking relay?
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> I have had this problem before a couple of times and cannot remember what i was told to do to resolve the problem
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> If there are any solutions i would greatly appreciate any input.
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> Thanks
>
> Tim
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> [Non-text portions of this message have been removed]
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5178. RE: [acom-list] Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 19:43:01 UTC
From: Kees - pa7two
Topic: 5174 Message: 5178

Hi Tim,

I was asking because Icom radio's suffer from a bad ALC design and produce a full power spike during the TX/RX and RX/TX cycle. Caused likely your relays problem. I have seen and repaired this phenomenon before for fellow HAMs, whereof 95% was owner of an Icom rig. I would recommend to replace the Acom RX/TX relays, most likely the problem.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: gerald@...
Date: Sun, 4 Nov 2012 19:33:19 +0000
Subject: [acom-list] Re: Acom 1000 Recieve problem

Hi Kees

Yes I run a Icom 756 pro 3

Thanks for your interest

Is there a procedure to reset the Acom do you know?

73 Tim

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:

>

>

> Sounds indeed like a 'sticky' relais to me. What is your radio, an Icom?

>

>

> Vy 73, de Kees - PA7TWO - M5TWO

> DX IS and CW RULES!

>

> Twitter: @PA7TWO

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> To: acom-list@yahoogroups.com

> From: gerald@...

> Date: Sun, 4 Nov 2012 16:46:55 +0000

> Subject: [acom-list] Acom 1000 Recieve problem

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> Hi All

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> Looking for some help and advice from those that know (hopefully)

>

> I have an Acom 1000 that transmits full power etc.

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> My problem is when i press the OPER button to turn on the amp it attenuates the received signal from the radio.

>

> I am thinking that it is possibly a sticking relay?

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> I have had this problem before a couple of times and cannot remember what i was told to do to resolve the problem

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> If there are any solutions i would greatly appreciate any input.

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> Thanks

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> Tim

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5179. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 19:54:31 UTC
From: Tim
Topic: 5174 Message: 5179

Hi Kees
Thanks for the info regarding the Icom. I did not have any knowledge of this problem.
I will get in contact with the Acom engineer over here who does the repairs for Acom amps.
If anyone else has any comments they would be appreciated.
73 Kees and thanks again
Tim

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Tim,
>
> I was asking because Icom radio's suffer from a bad ALC design and produce a full power spike during the TX/RX and RX/TX cycle. Caused likely your relays problem. I have seen and repaired this phenomenon before for fellow HAMs, whereof 95% was owner of an Icom rig. I would recommend to replace the Acom RX/TX relays, most likely the problem.
>
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> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
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> Twitter: @PA7TWO
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> To: acom-list@yahoogroups.com
> From: gerald@...
> Date: Sun, 4 Nov 2012 19:33:19 +0000
> Subject: [acom-list] Re: Acom 1000 Recieve problem
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> Hi Kees
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> Yes I run a Icom 756 pro 3
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> Is there a procedure to reset the Acom do you know?
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> > To: acom-list@yahoogroups.com
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> > From: gerald@
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> > Date: Sun, 4 Nov 2012 16:46:55 +0000
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> > Subject: [acom-list] Acom 1000 Recieve problem
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5180. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 20:06:47 UTC
From: g4wjs
Topic: 5174 Message: 5180

That is certainly true of the older IC-706 radios and perhaps some others, but I'm fairly sure the 756 line don't have such an ALC excursion.

In the case of the original IC-756 which I use there is definitely no power spike. The power control, is very precise and well behaved.

73
Bill.

--- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@...> wrote:
>
>
> Hi Tim,
>
> I was asking because Icom radio's suffer from a bad ALC design and produce a full power spike during the TX/RX and RX/TX cycle. Caused likely your relays problem. I have seen and repaired this phenomenon before for fellow HAMs, whereof 95% was owner of an Icom rig. I would recommend to replace the Acom RX/TX relays, most likely the problem.
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> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
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> Twitter: @PA7TWO
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>
> To: acom-list@yahoogroups.com
> From: gerald@...
> Date: Sun, 4 Nov 2012 19:33:19 +0000
> Subject: [acom-list] Re: Acom 1000 Recieve problem
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> Hi Kees
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> Yes I run a Icom 756 pro 3
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> Thanks for your interest
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> Is there a procedure to reset the Acom do you know?
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> 73 Tim
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> --- In acom-list@yahoogroups.com, Kees - pa7two <pa7two@> wrote:
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> > To: acom-list@yahoogroups.com
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> > From: gerald@
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> > Date: Sun, 4 Nov 2012 16:46:55 +0000
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> > Subject: [acom-list] Acom 1000 Recieve problem
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> > My problem is when i press the OPER button to turn on the amp it attenuates the
received signal from the radio.
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> > I am thinking that it is possibly a sticking relay?
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> > I have had this problem before a couple of times and cannot remember what i was told to
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> > If there are any solutions i would greatly appreciate any input.
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5181. Re: [acom-list] Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 20:29:31 UTC
From: Val
Topic: 5174 Message: 5181

Tim,

Check first the control cable from the transceiver to the amplifier. Most probably it's shorted.

73, Val LZ1VB

----- Original Message -----
From: "Tim" <gerald@...>
To: <acom-list@yahoogroups.com>
Sent: Sunday, November 04, 2012 6:46 PM
Subject: [acom-list] Acom 1000 Recieve problem

> Hi All
> Looking for some help and advice from those that know (hopefully)
> I have an Acom 1000 that transmits full power etc.
> My problem is when i press the OPER button to turn on the amp it
> attenuates the received signal from the radio.
> I am thinking that it is possibly a sticking relay?
> I have had this problem before a couple of times and cannot remember what
> i was told to do to resolve the problem
> If there are any solutions i would greatly appreciate any input.
> Thanks
> Tim
>

5182. Re: [acom-list] Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 19:52:08 UTC
From: Brian Alsop
Topic: 5174 Message: 5182

A buddy, who shall remain nameless, had the same RX dropout problem when he plugged his KX-3 amp line into the ACOM-1000

In his case it was the 2.5mm stereo plug on the KX3 end. The plastic housing overlapped the plug so it could not be fully inserted! Partial insertion shorted the ACOM key line to ground.

Trimming away the extra plastic solved the problem.

Beware of tiny plugs!

73 de Brian/K3KO

n 11/4/2012 19:33, Tim wrote:
>
>
> Hi Kees
> Yes I run a Icom 756 pro 3
> Thanks for your interest
> Is there a procedure to reset the Acom do you know?
> 73 Tim
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> Kees - pa7two <pa7two@...> wrote:
> >
> >
> > Sounds indeed like a 'sticky' relais to me. What is your radio, an Icom?
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> > Vy 73, de Kees - PA7TWO - M5TWO
> > DX IS and CW RULES!
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> > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > From: gerald@...
> > Date: Sun, 4 Nov 2012 16:46:55 +0000
> > Subject: [acom-list] Acom 1000 Recieve problem
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date: 11/04/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date: 11/04/12

5183. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-04 21:42:47 UTC
From: Tim
Topic: 5174 Message: 5183

Hi Guys
I was a it technician and was all ways taught to trouble shoot by stepping back in recent events.
Guess what. Today i polished and dusted the shack. I think i may have disturbed the 2.5mm plug. Checked it out. Unplugged and replugged and away it went. Working Ok.
Thanks for all the comments and support. It was much appreciated.
Thanks to you Brian for making me stop and think. Sometimes you just cant see the wood for the trees.
73 and thanks again Tim

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> A buddy, who shall remain nameless, had the same RX dropout problem when
> he plugged his KX-3 amp line into the ACOM-1000
>
> In his case it was the 2.5mm stereo plug on the KX3 end. The plastic
> housing overlapped the plug so it could not be fully inserted! Partial
> insertion shorted the ACOM key line to ground.
>
> Trimming away the extra plastic solved the problem.
>
> Beware of tiny plugs!
>
> 73 de Brian/K3KO
>
> n 11/4/2012 19:33, Tim wrote:
> >
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> > Hi Kees
> > Yes I run a Icom 756 pro 3
> > Thanks for your interest
> > Is there a procedure to reset the Acom do you know?
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> > > Twitter: @PA7TWO

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> > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > > From: gerald@
> > > Date: Sun, 4 Nov 2012 16:46:55 +0000
> > > Subject: [acom-list] Acom 1000 Recieve problem
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> > Checked by AVG - www.avg.com <http://www.avg.com>
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>

5184. RE: [acom-list] Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-05 06:17:17 UTC
From: Kees - pa7two
Topic: 5174 Message: 5184

Do not forget to clean the contacts of that 2.5 plug with some alcohol and a clean cloth before re-inserting.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: gerald@...
Date: Sun, 4 Nov 2012 21:42:47 +0000
Subject: [acom-list] Re: Acom 1000 Recieve problem

Hi Guys

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> In his case it was the 2.5mm stereo plug on the KX3 end. The plastic

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> insertion shorted the ACOM key line to ground.

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>

> Beware of tiny plugs!

>

> 73 de Brian/K3KO

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> > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>

> > > From: gerald@

> > > Date: Sun, 4 Nov 2012 16:46:55 +0000

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> > > Hi All

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> > > Looking for some help and advice from those that know (hopefully)

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> > > I have had this problem before a couple of times and cannot remember

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> > > Tim

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[Non-text portions of this message have been removed]

5185. Acom 1000 - Auto Or No Auto

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 12:23:32 UTC
From: Bubba
Topic: 5185 Message: 5185

Just got me new Acom 1000 and set it up and all working just great.
Love the ease of tuning.

My question is using the Auto Operate or not?

I had one back a 5 years ago and don't ever remember using the Auto
Mode. Anyone have any preferences?

Thanks.

Steve

5186. Re: [acom-list] Acom 1000 - Auto Or No Auto

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 12:38:41 UTC
From: paim
Topic: 5185 Message: 5186

you mean Acom 2000
I CANT SEE THE AUTO ON MY 1000hihi

vy 73
E.P g0uut

From: Bubba <stash06@...>
To: acom-list@yahoogroups.com
Sent: Tuesday, 6 November 2012, 12:23
Subject: [acom-list] Acom 1000 - Auto Or No Auto

Just got me new Acom 1000 and set it up and all working just great.
Love the ease of tuning.

My question is using the Auto Operate or not?

I had one back a 5 years ago and don't ever remember using the Auto
Mode. Anyone have any preferences?

Thanks.

Steve

[Non-text portions of this message have been removed]

5187. Re: Acom 1000 - Auto Or No Auto

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 13:53:30 UTC
From: Bubba
Topic: 5185 Message: 5187

Don't think it says Acom 2000
Auto Operate. read your manual
hi hi

--- In acom-list@yahoogroups.com, paim <paimg0uut@...> wrote:
>
> you mean Acom 2000
> I CANT SEE THE AUTO ON MY 1000hihi
>
> Â
> vy 73
> E.P Â g0uut
> Â
> Â
> Â
>
>
> _____
> From: Bubba <stash06@...>
> To: acom-list@yahoogroups.com
> Sent: Tuesday, 6 November 2012, 12:23
> Subject: [acom-list] Acom 1000 - Auto Or No Auto
>
>
> Â
> Just got me new Acom 1000 and set it up and all working just great.
> Love the ease of tuning.
>
> My question is using the Auto Operate or not?
>
> I had one back a 5 years ago and don't ever remember using the Auto
> Mode. Anyone have any preferences?
>
> Thanks.
>
> Steve
>
>
>
>
> [Non-text portions of this message have been removed]
>

5188. Re: [acom-list] Acom 1000 - Auto Or No Auto

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 14:31:41 UTC
From: Mike Harris
Topic: 5185 Message: 5188

Hi Steve,

I've always used my '1000 in Auto mode. The only problem I've had is down to me causing the very occasional hot switch as the warm up timer zeros whilst transmitting. Normally not a problem, if I'm in that situation I keep an eye on the count down and drop the PTT just before zero and back off the drive. Sometimes you have to go for it before the amp comes on line!

Regards,

Mike VP8NO

On 06/11/2012 09:23, Bubba wrote:
> Just got me new Acom 1000 and set it up and all working just great.
> Love the ease of tuning.
>
> My question is using the Auto Operate or not?
>
> I had one back a 5 years ago and don't ever remember using the Auto
> Mode. Anyone have any preferences?
>
> Thanks.
>
>
> Steve

5189. Re: [acom-list] Acom 1000 - Auto Or No Auto

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 16:50:17 UTC
From: Steve
Topic: 5185 Message: 5189

Thanks Mike. Was wondering about that. Had 2 Acom 1000's and never used that Feature. I'll give it a try .

Thanks again

Sent from my iPad

On Nov 6, 2012, at 9:31 AM, Mike Harris <mike.harris@...> wrote:

> Hi Steve,
>
> I've always used my '1000 in Auto mode. The only problem I've had is
> down to me causing the very occasional hot switch as the warm up timer
> zeros whilst transmitting. Normally not a problem, if I'm in that
> situation I keep an eye on the count down and drop the PTT just before
> zero and back off the drive. Sometimes you have to go for it before the
> amp comes on line!
>
> Regards,
>
> Mike VP8NO
>
> On 06/11/2012 09:23, Bubba wrote:
> > Just got me new Acom 1000 and set it up and all working just great.
> > Love the ease of tuning.
> >
> > My question is using the Auto Operate or not?
> >
> > I had one back a 5 years ago and don't ever remember using the Auto
> > Mode. Anyone have any preferences?
> >
> > Thanks.
> >
> >
> > Steve
>

[Non-text portions of this message have been removed]

5190. setting AC line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 17:41:28 UTC
From: Philippe ON4VP
Topic: 5190 Message: 5190

As I told in a previous message my new acom2000a will be delivered in the nex few days.
I've been informed that my transformer is set for 220VAC but when I check the house voltage I see 232VAC so I think it is safer to set it for 240VAC.

1/ Would it be best to set for 240VAC instead of 220VAC?
2/ I can't find info in the manual (downloaded from acom website, is it hard to do? Where do I change the input voltage?

Thanks, Phil.

[Non-text portions of this message have been removed]

5191. Re: [acom-list] setting AC line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 17:59:58 UTC
From: W5OV@w5ov.com
Topic: 5190 Message: 5191

If your AC power in your area is supposed to be 220v, you should have your amplifier set to 220v. It can operate with at least +/- 10% or from 198 to 242. So if you're in that range, leave it that way.

The line input jumper positions in the 2000A are detailed on the schematic page in the manual. There is a graphic on the schematic showing the various positions of the metal pieces for the various line voltages.

73,

Bob W5OV
Array Solutions
USA Acom Dealer

> As I told in a previous message my new acom2000a will be delivered in the
> nex few days.
> I've been informed that my transformer is set for 220VAC but when I check
> the house voltage I see 232VAC so I think it is safer to set it for
> 240VAC.
>
> 1/ Would it be best to set for 240VAC instead of 220VAC?
> 2/ I can't find info in the manual (downloaded from acom website, is it
> hard to do? Where do I change the input voltage?
>
> Thanks, Phil.
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>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5192. Re: [acom-list] setting AC line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 18:05:53 UTC
From: Steve
Topic: 5190 Message: 5192

Each leg on he voltage is 121 121. 242 it shows.

Steve

Sent from my iPad

On Nov 6, 2012, at 12:59 PM, W5OV@... wrote:

> If your AC power in your area is supposed to be 220v, you should have your
> amplifier set to 220v. It can operate with at least +/- 10% or from 198 to
> 242. So if you're in that range, leave it that way.
>
> The line input jumper positions in the 2000A are detailed on the schematic
> page in the manual. There is a graphic on the schematic showing the
> various positions of the metal pieces for the various line voltages.
>
> 73,
>
> Bob W5OV
> Array Solutions
> USA Acom Dealer
>
> > As I told in a previous message my new acom2000a will be delivered in the
> > nex few days.
> > I've been informed that my transformer is set for 220VAC but when I check
> > the house voltage I see 232VAC so I think it is safer to set it for
> > 240VAC.
> >
> > 1/ Would it be best to set for 240VAC instead of 220VAC?
> > 2/ I can't find info in the manual (downloaded from acom website, is it
> > hard to do? Where do I change the input voltage?
> >
> > Thanks, Phil.
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> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5193. Re: [acom-list] setting AC line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 18:16:29 UTC
From: W5OV@w5ov.com
Topic: 5190 Message: 5193

Are you in USA? I thought Belgium has the same electrical utility as in Germany (220v single phase) - no?

> Each leg on he voltage is 121 121. 242 it shows.
>
> Steve
>
>
> Sent from my iPad
>
>
> On Nov 6, 2012, at 12:59 PM, W5OV@... wrote:
>
>> If your AC power in your area is supposed to be 220v, you should have
>> your
>> amplifier set to 220v. It can operate with at least +/- 10% or from 198
>> to
>> 242. So if you're in that range, leave it that way.
>>
>> The line input jumper positions in the 2000A are detailed on the
>> schematic
>> page in the manual. There is a graphic on the schematic showing the
>> various positions of the metal pieces for the various line voltages.
>>
>> 73,
>>
>> Bob W5OV
>> Array Solutions
>> USA Acom Dealer
>>
>> > As I told in a previous message my new acom2000a will be delivered in
>> the
>> > nex few days.
>> > I've been informed that my transformer is set for 220VAC but when I
>> check
>> > the house voltage I see 232VAC so I think it is safer to set it for
>> > 240VAC.
>> >
>> > 1/ Would it be best to set for 240VAC instead of 220VAC?
>> > 2/ I can't find info in the manual (downloaded from acom website, is
>> it
>> > hard to do? Where do I change the input voltage?
>> >
>> > Thanks, Phil.
>> >

>> >
>> > [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5194. Re: [acom-list] setting AC line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 18:08:38 UTC
From: Steve
Topic: 5190 Message: 5194

Disregard the last message, went to wrong address. Hi Hi

Sent from my iPad

On Nov 6, 2012, at 12:59 PM, W5OV@... wrote:

> If your AC power in your area is supposed to be 220v, you should have your
> amplifier set to 220v. It can operate with at least +/- 10% or from 198 to
> 242. So if you're in that range, leave it that way.
>
> The line input jumper positions in the 2000A are detailed on the schematic
> page in the manual. There is a graphic on the schematic showing the
> various positions of the metal pieces for the various line voltages.
>
> 73,
>
> Bob W5OV
> Array Solutions
> USA Acom Dealer
>
> > As I told in a previous message my new acom2000a will be delivered in the
> > nex few days.
> > I've been informed that my transformer is set for 220VAC but when I check
> > the house voltage I see 232VAC so I think it is safer to set it for
> > 240VAC.
> >
> > 1/ Would it be best to set for 240VAC instead of 220VAC?
> > 2/ I can't find info in the manual (downloaded from acom website, is it
> > hard to do? Where do I change the input voltage?
> >
> > Thanks, Phil.
> >
> >
> > [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5195. ACOM HF Antenna Tuner ???

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 18:06:11 UTC
From: D G
Topic: 5190 Message: 5195

I love my ACOM 2000A and ACOM 1500 Amplifiers and looking forward to the new CAT Remote Control Unit.
ACOM Build-Quality is Excellent indeed !

As much as the ACOM 2000A is tolerant on SWR <3:1 with her matching transformer, I'd like to protect her at band edges particularly on 160 & 80 meters. I have a pending order for the new Alpha 4040 Automatic Antenna Tuner to replace my Palstar AT AUTO and was wondering if ACOM (or perhaps OM Power) may be planning anything or in the works in near future ?

Thanks and 73,

Dennis
N3DG

[Non-text portions of this message have been removed]

5196. Re: [acom-list] Re: Acom 1000 - Auto Or No Auto

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 19:02:00 UTC
From: paim
Topic: 5185 Message: 5196

sorry you right i never used it page 5.2.

vy 73
E.P g0uut

_____
From: Bubba <stash06@...>
To: acom-list@yahoogroups.com
Sent: Tuesday, 6 November 2012, 13:53
Subject: [acom-list] Re: Acom 1000 - Auto Or No Auto

Don't think it says Acom 2000
Auto Operate. read your manual
hi hi

--- In acom-list@yahoogroups.com, paim <paimg0uut@...> wrote:
>
> you mean Acom 2000
> I CANT SEE THE AUTO ON MY 1000hihi
>
> Â
> vy 73
> E.P Â g0uut
> Â
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> _____
> From: Bubba <stash06@...>
> To: acom-list@yahoogroups.com
> Sent: Tuesday, 6 November 2012, 12:23
> Subject: [acom-list] Acom 1000 - Auto Or No Auto
>
>
> Â
> Just got me new Acom 1000 and set it up and all working just great.
> Love the ease of tuning.
>
> My question is using the Auto Operate or not?
>
> I had one back a 5 years ago and don't ever remember using the Auto
> Mode. Anyone have any preferences?
>
> Thanks.
>

> Steve
>
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>
> [Non-text portions of this message have been removed]
>

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5197. Re: [acom-list] setting AC line voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-06 21:32:23 UTC
From: Joel Kornreich
Topic: 5190 Message: 5197

**
Hello Phil,
There's a tap inside to set the proper voltage. Remember me??
**
Joel, K2QBV

On Tue, Nov 6, 2012 at 12:41 PM, Philippe ON4VP <on4vp@...> wrote:

> **
>
>
> As I told in a previous message my new acom2000a will be delivered in the
> nex few days.
> I've been informed that my transformer is set for 220VAC but when I check
> the house voltage I see 232VAC so I think it is safer to set it for 240VAC.
>
> 1/ Would it be best to set for 240VAC instead of 220VAC?
> 2/ I can't find info in the manual (downloaded from acom website, is it
> hard to do? Where do I change the input voltage?
>
> Thanks, Phil.
>
> [Non-text portions of this message have been removed]
>
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>

[Non-text portions of this message have been removed]

5198. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-07 10:52:16 UTC
From: ea3ku@arrl.net
Topic: 5174 Message: 5198

Hi Gerald,
I read carefully the answers to your question. I am glad you solved the problem.
Anyway, it is generally true that ICOM rigs not get along very well with the ACOM 1000. For everything I have read is true that the start transmitting generate a "spike" of power.
I have also an IC-756 ICOM PROIII among other ICOM equipment. It is good practice when activating any linear amplifier, not just an ACOM 1000, ensure that the relays do the switching linear cold. That is achieved by introducing a time delay circuit in the transmission between the activation of the power amplifier and the transmitter. This will always relays switching work in cold and without power and your life will be much more durable. This advice is very important for the older linear amplifiers where the switching time of their relays may be slower.
Fernando , EA3KU.--- In acom-list@yahoogroups.com, "Tim" <gerald@...> wrote:
>
> Hi Guys
> I was a it technician and was all ways taught to trouble shoot by stepping back in recent events.
> Guess what. Today i polished and dusted the shack. I think i may have disturbed the 2.5mm plug. Checked it out. Unplugged and replugged and away it went. Working Ok.
> Thanks for all the comments and support. It was much appreciated.
> Thanks to you Brian for making me stop and think. Sometimes you just cant see the wood for the trees.
> 73 and thanks again Tim
>
> --- In acom-list@yahoogroups.com, Brian Alsop alsopb@ wrote:
> >
> > A buddy, who shall remain nameless, had the same RX dropout problem when
> > he plugged his KX-3 amp line into the ACOM-1000
> >
> > In his case it was the 2.5mm stereo plug on the KX3 end. The plastic
> > housing overlapped the plug so it could not be fully inserted! Partial
> > insertion shorted the ACOM key line to ground.
> >
> > Trimming away the extra plastic solved the problem.
> >
> > Beware of tiny plugs!
> >
> > 73 de Brian/K3KO

> >
> > n 11/4/2012 19:33, Tim wrote:
> > >
> > >
> > > Hi Kees
> > > Yes I run a Icom 756 pro 3
> > > Thanks for your interest
> > > Is there a procedure to reset the Acom do you know?
> > > 73 Tim
> > >
> > > --- In acom-list@yahoogroups.com
<mailto:acom-list%40yahoogroups.com>,
> > > Kees - pa7two <pa7two@> wrote:
> > > >
> > > >
> > > > Sounds indeed like a 'sticky' relais to me. What is your radio,
an Icom?
> > > >
> > > >
> > > > Vy 73, de Kees - PA7TWO - M5TWO
> > > > DX IS and CW RULES!
> > > >
> > > > Twitter: @PA7TWO
> > > >
> > > >
> > > >
> > > > To: acom-list@yahoogroups.com
<mailto:acom-list%40yahoogroups.com>
> > > > From: gerald@
> > > > Date: Sun, 4 Nov 2012 16:46:55 +0000
> > > > Subject: [acom-list] Acom 1000 Recieve problem
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> > > > Hi All
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> > > > Looking for some help and advice from those that know
(hopefully)
> > > >
> > > > I have an Acom 1000 that transmits full power etc.
> > > >
> > > > My problem is when i press the OPER button to turn on the amp
it
> > > attenuates the received signal from the radio.
> > > >
> > > > I am thinking that it is possibly a sticking relay?
> > > >
> > > > I have had this problem before a couple of times and cannot
remember
> > > what i was told to do to resolve the problem
> > > >
> > > > If there are any solutions i would greatly appreciate any
input.
> > > >
> > > > Thanks
> > > >
> > > > Tim
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> > > No virus found in this message.
> > > Checked by AVG - www.avg.com <http://www.avg.com>
> > > Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date:
11/04/12
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> > -----
> > No virus found in this message.
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> > Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date:
11/04/12
> >
>

[Non-text portions of this message have been removed]

5199. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-07 10:51:57 UTC
From: ea3ku@arrl.net
Topic: 5174 Message: 5199

Hi Gerald,
I read carefully the answers to your question. I am glad you solved the problem.
Anyway, it is generally true that ICOM rigs not get along very well with the ACOM 1000. For everything I have read is true that the start transmitting generate a "spike" of power.
I have also an IC-756 ICOM PROIII among other ICOM equipment. It is good practice when activating any linear amplifier, not just an ACOM 1000, ensure that the relays do the switching linear cold. That is achieved by introducing a time delay circuit in the transmission between the activation of the power amplifier and the transmitter. This will always relays switching work in cold and without power and your life will be much more durable. This advice is very important for the older linear amplifiers where the switching time of their relays may be slower.--- In acom-list@yahoogroups.com, "Tim" <gerald@...> wrote:
>
> Hi Guys
> I was a it technician and was all ways taught to trouble shoot by stepping back in recent events.
> Guess what. Today i polished and dusted the shack. I think i may have disturbed the 2.5mm plug. Checked it out. Unplugged and replugged and away it went. Working Ok.
> Thanks for all the comments and support. It was much appreciated.
> Thanks to you Brian for making me stop and think. Sometimes you just cant see the wood for the trees.
> 73 and thanks again Tim
>
> --- In acom-list@yahoogroups.com, Brian Alsop alsopb@ wrote:
> >
> > A buddy, who shall remain nameless, had the same RX dropout problem when
> > he plugged his KX-3 amp line into the ACOM-1000
> >
> > In his case it was the 2.5mm stereo plug on the KX3 end. The plastic
> > housing overlapped the plug so it could not be fully inserted! Partial
> > insertion shorted the ACOM key line to ground.
> >
> > Trimming away the extra plastic solved the problem.
> >
> > Beware of tiny plugs!
> >
> > 73 de Brian/K3KO
> >

> > n 11/4/2012 19:33, Tim wrote:
> > >
> > >
> > > Hi Kees
> > > Yes I run a Icom 756 pro 3
> > > Thanks for your interest
> > > Is there a procedure to reset the Acom do you know?
> > > 73 Tim
> > >
> > > --- In acom-list@yahoogroups.com
<mailto:acom-list%40yahoogroups.com>,
> > > Kees - pa7two <pa7two@> wrote:
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> > > >
> > > > Sounds indeed like a 'sticky' relais to me. What is your radio,
an Icom?
> > > >
> > > >
> > > > Vy 73, de Kees - PA7TWO - M5TWO
> > > > DX IS and CW RULES!
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> > > > Twitter: @PA7TWO
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> > > >
> > > > To: acom-list@yahoogroups.com
<mailto:acom-list%40yahoogroups.com>
> > > > From: gerald@
> > > > Date: Sun, 4 Nov 2012 16:46:55 +0000
> > > > Subject: [acom-list] Acom 1000 Recieve problem
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> > > > Hi All
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> > > > Looking for some help and advice from those that know
(hopefully)
> > > >
> > > > I have an Acom 1000 that transmits full power etc.
> > > >
> > > > My problem is when i press the OPER button to turn on the amp
it
> > > attenuates the received signal from the radio.
> > > >
> > > > I am thinking that it is possibly a sticking relay?
> > > >
> > > > I have had this problem before a couple of times and cannot
remember
> > > what i was told to do to resolve the problem
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> > > > If there are any solutions i would greatly appreciate any
input.
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> > > > Thanks
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> > > > Tim
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> > > No virus found in this message.
> > > Checked by AVG - www.avg.com <http://www.avg.com>
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> > Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date:
11/04/12
> >
>

[Non-text portions of this message have been removed]

5200. Re: Acom 1000 Recieve problem

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-07 10:46:10 UTC
From: ea3ku@arrl.net
Topic: 5174 Message: 5200

Hi Gerald,

I read carefully the answers to your question. Glad you solved the problem.

Anyway, it is generally true that ICOM teams not get along very well with the ACOM 1000. For everything you've read is true that the start transmitting generate a "spike" power.

I also I have an IC-756 ICOM PROIII among other equipment. It is good practice when activating any linear amplifier, not just an ACOM 1000, ensure that the relays do the switching linear cold. That is achieved by introducing a time delay circuit in the transmission between the activation of the power amplifier and the linear. This will always relays switching work in cold and without power and your life will be much more durable. This advice is very important for the older linear amplifiers switching time where their relays may be slower.

Fernando, EA3KU.
an ACOM 1000 user.

--- In acom-list@yahoogroups.com, "Tim" <gerald@...> wrote:
>
> Hi Guys
> I was a it technician and was all ways taught to trouble shoot by stepping back in recent events.
> Guess what. Today i polished and dusted the shack. I think i may have disturbed the 2.5mm plug. Checked it out. Unplugged and replugged and away it went. Working Ok.
> Thanks for all the comments and support. It was much appreciated.
> Thanks to you Brian for making me stop and think. Sometimes you just cant see the wood for the trees.
> 73 and thanks again Tim
>
> --- In acom-list@...m, Brian Alsop <alsopb@> wrote:
> >
> > A buddy, who shall remain nameless, had the same RX dropout problem when
> > he plugged his KX-3 amp line into the ACOM-1000
> >
> > In his case it was the 2.5mm stereo plug on the KX3 end. The plastic
> > housing overlapped the plug so it could not be fully inserted! Partial
> > insertion shorted the ACOM key line to ground.
> >
> > Trimming away the extra plastic solved the problem.
> >
> > Beware of tiny plugs!
> >
> > 73 de Brian/K3KO
> >
> > n 11/4/2012 19:33, Tim wrote:

> > >
> > >
> > > Hi Kees
> > > Yes I run a Icom 756 pro 3
> > > Thanks for your interest
> > > Is there a procedure to reset the Acom do you know?
> > > 73 Tim
> > >
> > > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> > > Kees - pa7two <pa7two@> wrote:
> > > >
> > > >
> > > > Sounds indeed like a 'sticky' relais to me. What is your radio, an Icom?
> > > >
> > > >
> > > > Vy 73, de Kees - PA7TWO - M5TWO
> > > > DX IS and CW RULES!
> > > >
> > > > Twitter: @PA7TWO
> > > >
> > > >
> > > >
> > > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > > > From: gerald@
> > > > Date: Sun, 4 Nov 2012 16:46:55 +0000
> > > > Subject: [acom-list] Acom 1000 Recieve problem
> > > >
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> > > >
> > > >
> > > > Hi All
> > > >
> > > > Looking for some help and advice from those that know (hopefully)
> > > >
> > > > I have an Acom 1000 that transmits full power etc.
> > > >
> > > > My problem is when i press the OPER button to turn on the amp it
> > > attenuates the received signal from the radio.
> > > >
> > > > I am thinking that it is possibly a sticking relay?
> > > >
> > > > I have had this problem before a couple of times and cannot remember
> > > what i was told to do to resolve the problem
> > > >
> > > > If there are any solutions i would greatly appreciate any input.
> > > >
> > > > Thanks
> > > >
> > > > Tim
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> > > >
> > > > [Non-text portions of this message have been removed]
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> > >
> > >
> > > No virus found in this message.
> > > Checked by AVG - www.avg.com <http://www.avg.com>
> > > Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date: 11/04/12
> > >
> >
> >

> >
> >
> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2012.0.2221 / Virus Database: 2441/5373 - Release Date: 11/04/12
> >
>

5201. New acom2000a arrived, RCU troubles

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-08 17:12:40 UTC
From: Philippe ON4VP
Topic: 5201 Message: 5201

Hi Group,

Not that happy today after spending tons of money and waiting weeks and weeks.
Today the Acom2000a arrived.

All went well (installation). Main voltage setting, installing the transformer, powering up.
The new RCU looks nice and has a lot of info, can be overwhelming at first.

But most annoying thing: IT DOES NOT SHOW pOUT or pRFL.
All the rest is working (antennas, temp, infoscreen, etc...) but the main led bars don't light up.
I've called my dealer, it's all new to everybody, and the manuals are not yet finished. So no idea.

Have to wait for news from Acom Bulgaria.
Sad story after spending that amount of money.

Lucky for me I got the powermaster II at the same time so I can monitor if power output is ok.
Also powermaster II is not 100%. The software crashes all the time (on 4 computers) when com port is selected.

Man, man, I need a beer...
Phil.

[Non-text portions of this message have been removed]

5202. Re: [acom-list] New acom2000a arrived, RCU troubles

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-08 18:05:42 UTC
From: W5OV@w5ov.com
Topic: 5201 Message: 5202

Sorry to hear you're having trouble.

First:

The new RCU should default to displaying RF output without doing anything
to it.

Second:

A software issue with the Power Master II is most likely related to your
computer and the USB driver you have loaded. To get the correct driver,
you can go to:

http://www.ftdichip.com/Drivers/VCP.htm

Also, make sure you have the latest version of the PM2 Software here:

http://www.arraysolutions.com/Downloads/PM_Software/PMBasic2_2.0.0.7.zip

73,

Bob W5OV
Array Solutions

> Hi Group,
>
> Not that happy today after spending tons of money and waiting weeks and
> weeks.
> Today the Acom2000a arrived.
>
> All went well (installation). Main voltage setting, installing the
> transformer, powering up.
> The new RCU looks nice and has a lot of info, can be overwhelming at
> first.
>
> But most annoying thing: IT DOES NOT SHOW pOUT or pRFL.
> All the rest is working (antennas, temp, infoscreen, etc...) but the main
> led bars don't light up.
> I've called my dealer, it's all new to everybody, and the manuals are not
> yet finished. So no idea.
>
> Have to wait for news from Acom Bulgaria.
> Sad story after spending that amount of money.
>
> Lucky for me I got the powermaster II at the same time so I can monitor if
> power output is ok.
> Also powermaster II is not 100%. The software crashes all the time (on 4

> computers) when com port is selected.
>
> Man, man, I need a beer...
> Phil.
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5203. new RCU update, works FB after new manual

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-08 20:10:09 UTC
From: Philippe ON4VP
Topic: 5203 Message: 5203

Hello

Glad to hear that Acom Bulgaria responded VERY FAST. Nice service.
Only two hours after I emaild my dealer I got new from Val !!

The problem was that the new manual was not sent with the amp.
They only have it in PDF for the time being and I overlooked a new cabling
that have to be done !!!

The new cable between the RCU and the amp has two extra rca plugs, the HAVE
TO GO in the key in and out at the back of the amp.
If not, pOUT and pRFL will not show.

So the keying line now goes not to the back of the amp anymore but have to
run towards the RCU.
Well that means more wire to the RCU. But it works as advertised.

I will upload the new manual to the file section.
Back to happy camping.

73 Phil

[Non-text portions of this message have been removed]

5204. Re: New acom2000a arrived, RCU troubles

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-08 21:43:02 UTC
From: on4vp
Topic: 5201 Message: 5204

Bob,

1/ RCU

Thanks to Val I got the new manual. I checked and cabling is different. Key in/out must run to RCU and not direct to amp. That was my mistake. All ok now.

2/ PowerMaster II.

Solved. Serial cable ok, I was using older software, my mistake. Latest software runs fine. Call programmed on display.

Tnx, Phil.

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
>
> Sorry to hear you're having trouble.
>
> First:
>
> The new RCU should default to displaying RF output without doing anything
> to it.
>
> Second:
>
> A software issue with the Power Master II is most likely related to your
> computer and the USB driver you have loaded. To get the correct driver,
> you can go to:
>
> http://www.ftdichip.com/Drivers/VCP.htm
>
> Also, make sure you have the latest version of the PM2 Software here:
>
> http://www.arraysolutions.com/Downloads/PM_Software/PMBasic2_2.0.0.7.zip
>
> 73,
>
> Bob W5OV
> Array Solutions
>
>
>
>
> > Hi Group,
> >

> > Not that happy today after spending tons of money and waiting weeks and
> > weeks.
> > Today the Acom2000a arrived.
> >
> > All went well (installation). Main voltage setting, installing the
> > transformer, powering up.
> > The new RCU looks nice and has a lot of info, can be overwhelming at
> > first.
> >
> > But most annoying thing: IT DOES NOT SHOW pOUT or pRFL.
> > All the rest is working (antennas, temp, infoscreen, etc...) but the main
> > led bars don't light up.
> > I've called my dealer, it's all new to everybody, and the manuals are not
> > yet finished. So no idea.
> >
> > Have to wait for news from Acom Bulgaria.
> > Sad story after spending that amount of money.
> >
> > Lucky for me I got the powermaster II at the same time so I can monitor if
> > power output is ok.
> > Also powermaster II is not 100%. The software crashes all the time (on 4
> > computers) when com port is selected.
> >
> > Man, man, I need a beer...
> > Phil.
> >
> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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5205. Re: [acom-list] Re: New acom2000a arrived, RCU troubles

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-08 22:03:20 UTC
From: W5OV@w5ov.com
Topic: 5201 Message: 5205

It sounds like you're in business!

See you on the air!

73,

Bob W5OV

> Bob,
>
> 1/ RCU
>
> Thanks to Val I got the new manual. I checked and cabling is different.
> Key in/out must run to RCU and not direct to amp. That was my mistake. All
> ok now.
>
> 2/ PowerMaster II.
>
> Solved. Serial cable ok, I was using older software, my mistake. Latest
> software runs fine. Call programmed on display.
>
> Tnx, Phil.
>
> --- In acom-list@yahoogroups.com, W5OV@... wrote:
>>
>>
>> Sorry to hear you're having trouble.
>>
>> First:
>>
>> The new RCU should default to displaying RF output without doing
>> anything
>> to it.
>>
>> Second:
>>
>> A software issue with the Power Master II is most likely related to your
>> computer and the USB driver you have loaded. To get the correct driver,
>> you can go to:
>>
>> http://www.ftdichip.com/Drivers/VCP.htm
>>
>> Also, make sure you have the latest version of the PM2 Software here:
>>
>> http://www.arraysolutions.com/Downloads/PM_Software/PMBasic2_2.0.0.7.zip
>>

>> 73,
>>
>> Bob W5OV
>> Array Solutions
>>
>>
>>
>>
>> > Hi Group,
>> >
>> > Not that happy today after spending tons of money and waiting weeks
>> and
>> > weeks.
>> > Today the Acom2000a arrived.
>> >
>> > All went well (installation). Main voltage setting, installing the
>> > transformer, powering up.
>> > The new RCU looks nice and has a lot of info, can be overwhelming at
>> > first.
>> >
>> > But most annoying thing: IT DOES NOT SHOW pOUT or pRFL.
>> > All the rest is working (antennas, temp, infoscreen, etc...) but the
>> main
>> > led bars don't light up.
>> > I've called my dealer, it's all new to everybody, and the manuals are
>> not
>> > yet finished. So no idea.
>> >
>> > Have to wait for news from Acom Bulgaria.
>> > Sad story after spending that amount of money.
>> >
>> > Lucky for me I got the powermaster II at the same time so I can
>> monitor if
>> > power output is ok.
>> > Also powermaster II is not 100%. The software crashes all the time (on
>> 4
>> > computers) when com port is selected.
>> >
>> > Man, man, I need a beer...
>> > Phil.
>> >
>> >
>> > [Non-text portions of this message have been removed]
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>> > Yahoo! Groups Links
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5206. ACOM 2000A CAT RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-08 22:26:34 UTC
From: D G
Topic: 5106 Message: 5206

I am looking forward to this new ACOM 2000A RCU.
Any idea when they may arrive and ship in USA ?

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Sat, 20 Oct 2012 05:28:29 -0500
Subject: RE: [acom-list] Re: Acom 2000A "new RCU" controller

The new RCU is supposed to ship very soon. My understanding is that publishing the new manual is the only thing delaying shipment now.

There have never been any published or announced expected shipping dates, so there have been no (3 times in a row?) delays in delivery. All of this is just speculation by your dealer.

There is no reason not to use the original RCU with your amplifier. It's not like the amplifier is useless without the new RCU.

Originally, it was expected that the 2000A would continue to ship with the original RCU and that the new RCU would strictly be an option.

There has been a change in plans and that is that new 2000A amplifiers will begin shipping with the new RCU only very soon.

The development and perfecting of the new RCU has taken long enough that Acom has decided not to produce any more of the original RCU and the Acom warehouse stock level of the original RCU is depleted enough that they have made a change in plans.

The new RCU will still be available alone as an upgrade option to all existing 2000A owners, as originally reported. All of this will happen very soon.

Also, I have not heard anything from Acom regarding the 800S being available any time soon. I think this also may be pure speculation by your dealer - but time will tell.

The new RCU offers new capabilities in interfacing with your radio and for remote control. In addition, you can see much more data on the beautiful color screen at one time without pressing buttons and navigating menus as you have to on the original RCU. You are correct that the amplifier chassis is not changed whatsoever at this time. Eventually, the connection required by the original RCU may be removed, but at present there is no announced

plan to make those changes. So, all new amplifiers will continue to work with either type RCU - original or the new color one.

Is upgrading worthwhile? Each 2000A owner will have to make his own decision.

73,

Bob W5OV
Array Solutions
Acom Dealer in USA

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of on4vp
Sent: Friday, October 19, 2012 10:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A "new RCU" controller

I know for sure they having some problems with the new RCU's colour display. Acom delayed the delivery of the first shipment already 3 times in a row according to my dealer. I ordered the Acom2000a with new RCU but Acom won't ship to the dealer network until they are satisfied. I'm getting worried. I hoped to have the amp on my bench for the upcoming CQWW but Acom emailed my dealer this week saying another delay will hold shipping until 25th of october. The amp will never get here in time. I'm waiting over 8 weeks now. If I had other options this week, I cancelled my order but options are rare. CQWW barefoot? No, thanks...

As from what I've been informed, the amplifier itself remains unchanged. Only some new functionality on the RCU and the new colour display is different.

Also the Acom 800s should be available around this time.

73 Phil.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5207. RE: [acom-list] ACOM 2000A CAT RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-09 11:52:07 UTC
From: Bob Naumann
Topic: 5106 Message: 5207

Dennis,

We expect to have them around the end of November.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of D G
Sent: Thursday, November 08, 2012 4:27 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A CAT RCU

I am looking forward to this new ACOM 2000A RCU.
Any idea when they may arrive and ship in USA ?

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Sat, 20 Oct 2012 05:28:29 -0500
Subject: RE: [acom-list] Re: Acom 2000A "new RCU" controller

The new RCU is supposed to ship very soon. My understanding is that publishing the new manual is the only thing delaying shipment now.

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There has been a change in plans and that is that new 2000A amplifiers will begin shipping with the new RCU only very soon.

The development and perfecting of the new RCU has taken long enough that Acom has decided not to produce any more of the original RCU and the Acom warehouse stock level of the original RCU is depleted enough that they have

made a change in plans.

The new RCU will still be available alone as an upgrade option to all existing 2000A owners, as originally reported. All of this will happen very soon.

Also, I have not heard anything from Acom regarding the 800S being available any time soon. I think this also may be pure speculation by your dealer - but time will tell.

The new RCU offers new capabilities in interfacing with your radio and for remote control. In addition, you can see much more data on the beautiful color screen at one time without pressing buttons and navigating menus as you have to on the original RCU. You are correct that the amplifier chassis is not changed whatsoever at this time. Eventually, the connection required by the original RCU may be removed, but at present there is no announced plan to make those changes. So, all new amplifiers will continue to work with either type RCU - original or the new color one.

Is upgrading worthwhile? Each 2000A owner will have to make his own decision.

73,

Bob W5OV
Array Solutions
Acom Dealer in USA

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of on4vp
Sent: Friday, October 19, 2012 10:13 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A "new RCU" controller

I know for sure they having some problems with the new RCU's colour display. Acom delayed the delivery of the first shipment already 3 times in a row according to my dealer. I ordered the Acom2000a with new RCU but Acom won't ship to the dealer network until they are satisfied. I'm getting worried. I hoped to have the amp on my bench for the upcoming CQWW but Acom emailed my dealer this week saying another delay will hold shipping until 25th of october. The amp will never get here in time. I'm waiting over 8 weeks now. If I had other options this week, I cancelled my order but options are rare. CQWW barefoot? No, thanks...

As from what I've been informed, the amplifier itself remains unchanged. Only some new functionality on the RCU and the new colour display is different.

Also the Acom 800s should be available around this time.

73 Phil.

--- In acom-list@yahoogroups.com, "Kenneth" <kenw817821@...> wrote:
>
> I am missing something here. For current owners, where is the beef?
> Yes its prettier. But I operate remotely and do not even see my RCU.
> For $900 I can replace my finals, or buy a lifetime supply of Makers Mark.
>
> Ken K5WK
>

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5208. fan filter for 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-09 17:47:45 UTC
From: David J. Strout
Topic: 5208 Message: 5208

the rubberized filter for the fan has pretty well
disintegrated now due to removal and cleaning often.
Any suggestions for where to get similar thin
material for replacing it?
Tnx, Dave, W2YC

[Non-text portions of this message have been removed]

5209. A2000A new RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-09 17:55:08 UTC
From: Philippe ON4VP
Topic: 5209 Message: 5209

Hi folks,

The new Acom2000a had his first test run today. After the cabling was altered the display works great.
A lot of new information is right there for the operator.

The new manual also provides a lot of schematics to interface all brand radios to the CAT connection.
Most models are covered. I successfully wired the output from the Microham MKII and/or Station Master (CI-V output port) to the RCU and the amplifier not follows the radio (dialing over the band of switching to other band).
If you have pre-tuned the amplifier to all your antennas and band segments, no more tuning is done, you change band or freq on the radio and the Acom2000a is set and ready to go. Nice !

I'm not using the band decoder output on the RCU. It is designed for the Acom remote antenna switch. But it does provide switching antennas from the RCU, also automated with CAT information from the radio. (I use the Microham Station master to turn and switch antennas). Nice is that you can program your call sign and 10 different names for antenna labels.

I tried to upload the new manual but it failed due to file size.
I will post some images in a folder in this group tonight and please *find this link to download the manual*<http://motoblog.be:8888/web/acom/a2000_newrcu.pdf>from my server.

73 de ON4VP, Phil

[Non-text portions of this message have been removed]

5210. Re: [acom-list] fan filter for 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-09 19:16:39 UTC
From: K0DAN
Topic: 5208 Message: 5210

If you go to Lowes or Home Depot (etc.), find where they sell the vacuum cleaners and there will be many replacement filters of many materials. You can pick & choose what looks good, cut it to size with scissors. Sandwich it in the filter housing or use some duct tape to get it placed where you need it. Be sure to avoid a filter that is "so clean" it won't let the amp breathe.

Easy. Cheap.

73

Dan
K0DAN

-----Original Message-----
From: David J. Strout
Sent: November 09, 2012 11:47 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] fan filter for 2000A

the rubberized filter for the fan has pretty well
disintegrated now due to removal and cleaning often.
Any suggestions for where to get similar thin
material for replacing it?
Tnx, Dave, W2YC

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5211. fan filter for 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-09 19:27:09 UTC
From: D G
Topic: 5208 Message: 5211

Also, same stores...Air Conditioner Filters (oversized, cheap, simply cut and insert, save the remainder for later)

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: k0dan@...
Date: Fri, 9 Nov 2012 13:16:39 -0600
Subject: Re: [acom-list] fan filter for 2000A

If you go to Lowes or Home Depot (etc.), find where they sell the vacuum cleaners and there will be many replacement filters of many materials. You can pick & choose what looks good, cut it to size with scissors. Sandwich it in the filter housing or use some duct tape to get it placed where you need it. Be sure to avoid a filter that is "so clean" it won't let the amp breathe.

Easy. Cheap.

73

Dan
K0DAN

-----Original Message-----
From: David J. Strout
Sent: November 09, 2012 11:47 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] fan filter for 2000A

the rubberized filter for the fan has pretty well
disintegrated now due to removal and cleaning often.
Any suggestions for where to get similar thin
material for replacing it?
Tnx, Dave, W2YC

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5212. ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-10 04:03:51 UTC
From: Billy
Topic: 3636 Message: 5212

have a code on RDU said IG2=014mA Should be Zero , and turn off amp. want is this about, try OFF5 and did not work

Bill

5213. TUNE (full auto user settings)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-10 11:00:17 UTC
From: Philippe ON4VP
Topic: 5213 Message: 5213

Hi group,

One of the new exciting things I love about the new RCU (+ software) is the ability to automatically tune up for USER band segments.
In my case using the CI-V cat control from my IC-7600 according the new manual you just have to select the correct antenna, push the TUNE button on the RCU and the Acom2000a takes care of the tuning.

Once the TUNE button is pushed, the radio is set to 15 watt drive, send carrier and the Acom can tune the load to the antenna. Once done (1 to 2 sec) the radio goes back to rx, the settings are stored and the display changes from DEFAULT to USER.

I've done that for all my 3 antennas on all bands. USER settings are stored. All was done in two minutes. All works just with the push of '*one*' button. Thanks to* CAT control* some nice features are available to the operator !

73, Phil.

[Non-text portions of this message have been removed]

5214. Re: [acom-list] ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-10 11:42:32 UTC
From: Barry N1EU
Topic: 3636 Message: 5214

Bill, you might try searching the archives at
http://groups.yahoo.com/group/acom-list/msearch_adv - that message has
been discussed in the past.

Generally speaking, it is encouraged to indicate your callsign when posting.

73,
Barry N1EU

On Sat, Nov 10, 2012 at 4:03 AM, Billy <bmm4146@...> wrote:

> **
>
>
> have a code on RDU said IG2=014mA Should be Zero , and turn off amp. want
> is this about, try OFF5 and did not work
>
> Bill
>
>
>

[Non-text portions of this message have been removed]

5215. Error E10

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-10 16:17:54 UTC
From: rick_nd4p
Topic: 5215 Message: 5215

I was using my 2000a on 12 meters phone this morning and got the following error:

Error: E10: QSK BREAK-IN FAULT, CPU CONFLICT
Amp is off & cooling down!

I've restarted the amp and it appears to be working as expected. Can someone point me in the right direction on what might have caused this error? Also is there a list of the errors and what they mean?

Othere than this odd event the amp has been working great since I put it into service a couple of weeks ago.

Thanks
Rick - ND4P

5216. Re: A2000A new RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-10 22:51:55 UTC
From: Ralph
Topic: 5209 Message: 5216

Thanks Phil for the info,
That is exactly what I am looking for in the new RCU. I hope Acom ramps up production of the RCU for the 2000A real soon. Xmas is coming!
Ralph W1ZK

--- In acom-list@yahoogroups.com, Philippe ON4VP <on4vp@...> wrote:
>
> Hi folks,
>
> The new Acom2000a had his first test run today. After the cabling was
> altered the display works great.
> A lot of new information is right there for the operator.
>
> The new manual also provides a lot of schematics to interface all brand
> radios to the CAT connection.
> Most models are covered. I successfully wired the output from the Microham
> MKII and/or Station Master (CI-V output port) to the RCU and the amplifier
> not follows the radio (dialing over the band of switching to other band).
> If you have pre-tuned the amplifier to all your antennas and band segments,
> no more tuning is done, you change band or freq on the radio and the
> Acom2000a is set and ready to go. Nice !
>
> I'm not using the band decoder output on the RCU. It is designed for the
> Acom remote antenna switch. But it does provide switching antennas from the
> RCU, also automated with CAT information from the radio. (I use the
> Microham Station master to turn and switch antennas). Nice is that you can
> program your call sign and 10 different names for antenna labels.
>
> I tried to upload the new manual but it failed due to file size.
> I will post some images in a folder in this group tonight and please *find
> this link to download the
> manual*<http://motoblog.be:8888/web/acom/a2000_newrcu.pdf>from my
> server.
>
> 73 de ON4VP, Phil
>
>
> [Non-text portions of this message have been removed]
>

5217. Re: [acom-list] Re: A2000A new RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-10 23:04:51 UTC
From: Brian Alsop
Topic: 5209 Message: 5217

I note in the manual that the K3 interface is specified at 19.2K.
Unfortunately just about everything that hooks to the K3 wants 38.4Kbps.

Can this be altered in the RCU?

73 DE Brian/K3KO

On 11/10/2012 22:51, Ralph wrote:
> Thanks Phil for the info,
> That is exactly what I am looking for in the new RCU. I hope Acom ramps
> up production of the RCU for the 2000A real soon. Xmas is coming!
> Ralph W1ZK
>
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> Philippe ON4VP <on4vp@...> wrote:
> >
> > Hi folks,
> >
> > The new Acom2000a had his first test run today. After the cabling was
> > altered the display works great.
> > A lot of new information is right there for the operator.
> >
> > The new manual also provides a lot of schematics to interface all brand
> > radios to the CAT connection.
> > Most models are covered. I successfully wired the output from the
> Microham
> > MKII and/or Station Master (CI-V output port) to the RCU and the
> amplifier
> > not follows the radio (dialing over the band of switching to other band).
> > If you have pre-tuned the amplifier to all your antennas and band
> segments,
> > no more tuning is done, you change band or freq on the radio and the
> > Acom2000a is set and ready to go. Nice !
> >
> > I'm not using the band decoder output on the RCU. It is designed for the
> > Acom remote antenna switch. But it does provide switching antennas
> from the
> > RCU, also automated with CAT information from the radio. (I use the
> > Microham Station master to turn and switch antennas). Nice is that
> you can
> > program your call sign and 10 different names for antenna labels.
> >
> > I tried to upload the new manual but it failed due to file size.
> > I will post some images in a folder in this group tonight and please
> *find

> > this link to download the
> > manual*<http://motoblog.be:8888/web/acom/a2000_newrcu.pdf>from my
> > server.
> >
> > 73 de ON4VP, Phil
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2221 / Virus Database: 2441/5386 - Release Date: 11/10/12
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2221 / Virus Database: 2441/5386 - Release Date: 11/10/12

5218. Re: [acom-list] Re: A2000A new RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-11 01:24:16 UTC
From: aivers30868@mypacks.net
Topic: 5209 Message: 5218

get rid of your k3

-----Original Message-----
>From: Brian Alsop <alsopb@...>
>Sent: Nov 10, 2012 6:04 PM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] Re: A2000A new RCU
>
>I note in the manual that the K3 interface is specified at 19.2K.
>Unfortunately just about everything that hooks to the K3 wants 38.4Kbps.
>
>Can this be altered in the RCU?
>
>73 DE Brian/K3KO
>
>
>On 11/10/2012 22:51, Ralph wrote:
>> Thanks Phil for the info,
>> That is exactly what I am looking for in the new RCU. I hope Acom ramps
>> up production of the RCU for the 2000A real soon. Xmas is coming!
>> Ralph W1ZK
>>
>>
>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
>> Philippe ON4VP <on4vp@...> wrote:
>> >
>> > Hi folks,
>> >
>> > The new Acom2000a had his first test run today. After the cabling was
>> > altered the display works great.
>> > A lot of new information is right there for the operator.
>> >
>> > The new manual also provides a lot of schematics to interface all brand
>> > radios to the CAT connection.
>> > Most models are covered. I successfully wired the output from the
>> Microham
>> > MKII and/or Station Master (CI-V output port) to the RCU and the
>> amplifier
>> > not follows the radio (dialing over the band of switching to other band).
>> > If you have pre-tuned the amplifier to all your antennas and band
>> segments,
>> > no more tuning is done, you change band or freq on the radio and the
>> > Acom2000a is set and ready to go. Nice !
>> >
>> > I'm not using the band decoder output on the RCU. It is designed for the

>> > Acom remote antenna switch. But it does provide switching antennas
>> from the
>> > RCU, also automated with CAT information from the radio. (I use the
>> > Microham Station master to turn and switch antennas). Nice is that
>> you can
>> > program your call sign and 10 different names for antenna labels.
>> >
>> > I tried to upload the new manual but it failed due to file size.
>> > I will post some images in a folder in this group tonight and please
>> *find
>> > this link to download the
>> > manual*<http://motoblog.be:8888/web/acom/a2000_newrcu.pdf>from my
>> > server.
>> >
>> > 73 de ON4VP, Phil
>> >
>> >
>> > [Non-text portions of this message have been removed]
>> >
>>
>>
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2012.0.2221 / Virus Database: 2441/5386 - Release Date: 11/10/12
>>
>
>
>
>
>-----
>No virus found in this message.
>Checked by AVG - www.avg.com
>Version: 2012.0.2221 / Virus Database: 2441/5386 - Release Date: 11/10/12
>
>
>
>
>------------------------------------
>
>Yahoo! Groups Links
>
>
>

5219. Re: A2000A new RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-11 13:53:35 UTC
From: on4vp
Topic: 5209 Message: 5219

Hi Brian,

No, the list in the settings is not editable. I needed to change my CI-V baud rate to in all my software and MKII to work @19.200 baud.

73 Phil.

--- In acom-list@yahoogroups.com, Brian Alsop <alsopb@...> wrote:
>
> I note in the manual that the K3 interface is specified at 19.2K.
> Unfortunately just about everything that hooks to the K3 wants 38.4Kbps.
>
> Can this be altered in the RCU?
>
> 73 DE Brian/K3KO
>
>
> On 11/10/2012 22:51, Ralph wrote:
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> > up production of the RCU for the 2000A real soon. Xmas is coming!
> > Ralph W1ZK
> >
> >
> > --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> > Philippe ON4VP <on4vp@> wrote:
> > >
> > > Hi folks,
> > >
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> > > A lot of new information is right there for the operator.
> > >
> > > The new manual also provides a lot of schematics to interface all brand
> > > radios to the CAT connection.
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> > > MKII and/or Station Master (CI-V output port) to the RCU and the
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> > > If you have pre-tuned the amplifier to all your antennas and band
> > segments,
> > > no more tuning is done, you change band or freq on the radio and the
> > > Acom2000a is set and ready to go. Nice !
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> > > I'm not using the band decoder output on the RCU. It is designed for the

> > > Acom remote antenna switch. But it does provide switching antennas
> > from the
> > > RCU, also automated with CAT information from the radio. (I use the
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> > > program your call sign and 10 different names for antenna labels.
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> > > I tried to upload the new manual but it failed due to file size.
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> > *find
> > > this link to download the
> > > manual*<http://motoblog.be:8888/web/acom/a2000_newrcu.pdf>from my
> > > server.
> > >
> > > 73 de ON4VP, Phil
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
> >
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 2012.0.2221 / Virus Database: 2441/5386 - Release Date: 11/10/12
> >
>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2221 / Virus Database: 2441/5386 - Release Date: 11/10/12
>

5220. Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 01:38:58 UTC
From: wb1dgg
Topic: 5220 Message: 5220

Just recently became the proud owner of an Acom 1000. While looking at some of the older posts I came accross an advertisement for an Acom W5K Wattmeter.

Does anyone know if this meter is still in production and available? Can't seem to find any information on it.

5221. Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 01:40:27 UTC
From: wb1dgg
Topic: 5220 Message: 5221

Just recently became the proud owner of an Acom 1000. While looking at some of the older posts I came accross an advertisement for an Acom W5K Wattmeter.

Does anyone know if this meter is still in production and available? Can't seem to find any information on it.

5222. RE: [acom-list] Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 02:25:46 UTC
From: Bob Naumann
Topic: 5220 Message: 5222

We had a prototype unit that we showed in Dayton a few years ago, but I don't think it was ever put into production.

Bob W5OV
Array Solutions
Acom USA Dealer

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of wb1dgg
Sent: Sunday, November 18, 2012 7:40 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom W5K Wattmeter

Just recently became the proud owner of an Acom 1000. While looking at some of the older posts I came accross an advertisement for an Acom W5K Wattmeter.

Does anyone know if this meter is still in production and available? Can't seem to find any information on it.

Yahoo! Groups Links

5223. Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 02:37:06 UTC
From: Vic Culver
Topic: 5220 Message: 5223

Well, the W5K Wattmeter may not have made it to the shelves of your favorite radio emporium, but Old Bob and Jay have something called a PowerMaster II that is about as slick and as useful as any device I could ever imagine having for that purpose. Check out the PowerMaster II. I have one and it is a fine thing. Vic, W4VIC

5224. RE: [acom-list] Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 08:38:10 UTC
From: Kjeld Holm
Topic: 5220 Message: 5224

I too have a PowerMaster and like it very much. Mine is the "old" version - today I would of course bye PowerMaster II. The old version requires refreshing the display from time to time (last point in the menu) in order to have a uniform brightness across all segments. Remember this option if it is needed in the mark II also.

Best regards

OZ1CCM Kjeld

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of wb1dgg
Sent: 19. november 2012 02:39
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom W5K Wattmeter

Just recently became the proud owner of an Acom 1000. While looking at some of the older posts I came accross an advertisement for an Acom W5K Wattmeter.

Does anyone know if this meter is still in production and available? Can't seem to find any information on it.

[Non-text portions of this message have been removed]

5225. Re: [acom-list] Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 10:06:32 UTC
From: Hans Remeeus
Topic: 5220 Message: 5225

*
*I use this excellent SWR-/Powermeter with two external 3 kW couplers:

LP-100A Digital Vector Wattmeter by N8LP http://www.telepostinc.com/

Also available: optional 5 or 10 kW couplers.

73, Hans PA1HR.

Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

[Non-text portions of this message have been removed]

5226. RE: [acom-list] Acom W5K Wattmeter

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-19 12:46:03 UTC
From: Bob Naumann
Topic: 5220 Message: 5226

The Power Master II uses a completely different, hi-tech LCD display which does not require a "refresh" as did the older VFD (Vacuum Fluorescent Display).

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Kjeld Holm
Sent: Monday, November 19, 2012 2:38 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom W5K Wattmeter

I too have a PowerMaster and like it very much. Mine is the "old" version - today I would of course bye PowerMaster II. The old version requires refreshing the display from time to time (last point in the menu) in order to have a uniform brightness across all segments. Remember this option if it is needed in the mark II also.

Best regards

OZ1CCM Kjeld

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of wb1dgg
Sent: 19. november 2012 02:39
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom W5K Wattmeter

Just recently became the proud owner of an Acom 1000. While looking at some of the older posts I came accross an advertisement for an Acom W5K Wattmeter.

Does anyone know if this meter is still in production and available? Can't seem to find any information on it.

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5227. New Acom 2000A RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-20 13:35:09 UTC
From: Máximo EA1DDO_HK1H
Topic: 5220 Message: 5227

Enjoy;
http://www.youtube.com/watch?v=_q0UuMRcaNQ

73, Maximo - EA1DDO

[Non-text portions of this message have been removed]

5228. ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-24 20:04:52 UTC
From: Bruce Meier
Topic: 5228 Message: 5228

During the CQWW CW test my ACOM 2000A decided to start to register a Protection Fault on 10 meters. This is the only band where this fault occurs . Through process of elimination (using my other amp - Ameritron 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15, 17 and 20 using the same Log that I use on 10 - through the same Six Pack / Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on the Ameritron - all FAULT on the ACOM

Any suggestions as to where or what I should start looking?

Thanks,

Bruce - N1LN

[Non-text portions of this message have been removed]

5229. RE: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-24 20:09:19 UTC
From: Bob Naumann
Topic: 5228 Message: 5229

What error message does the amp report?

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bruce Meier
Sent: Saturday, November 24, 2012 2:05 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000 - Prot fault, 10m only

During the CQWW CW test my ACOM 2000A decided to start to register a Protection Fault on 10 meters. This is the only band where this fault occurs . Through process of elimination (using my other amp - Ameritron 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15, 17 and 20 using the same Log that I use on 10 - through the same Six Pack / Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on the Ameritron - all FAULT on the ACOM

Any suggestions as to where or what I should start looking?

Thanks,

Bruce - N1LN

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5230. RE: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-24 23:00:53 UTC
From: Bruce Meier
Topic: 5228 Message: 5230

The message is ARC FAULT

Bruce - N1LN

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Saturday, November 24, 2012 15:09
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only

What error message does the amp report?

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf Of Bruce Meier
Sent: Saturday, November 24, 2012 2:05 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000 - Prot fault, 10m only

During the CQWW CW test my ACOM 2000A decided to start to register a Protection Fault on 10 meters. This is the only band where this fault occurs . Through process of elimination (using my other amp - Ameritron 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15, 17 and 20 using the same Log that I use on 10 - through the same Six Pack / Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on the Ameritron - all FAULT on the ACOM

Any suggestions as to where or what I should start looking?

Thanks,

Bruce - N1LN

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5231. RE: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-24 23:43:06 UTC
From: Bob Naumann
Topic: 5228 Message: 5231

OK.

It is very likely that there is something in your antenna system that is arcing and whatever it is may only be affected by 10m RF.

You have to remember that your other amplifier has no ability to detect such things, so it doesn't "know" that something is wrong nor can it report such a problem.

Why it's only showing up on 10m is indeed a mystery, but the 2000A reports these things pretty accurately.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bruce Meier
Sent: Saturday, November 24, 2012 5:01 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only

The message is ARC FAULT

Bruce - N1LN

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Saturday, November 24, 2012 15:09
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only

What error message does the amp report?

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf
Of Bruce Meier
Sent: Saturday, November 24, 2012 2:05 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000 - Prot fault, 10m only

During the CQWW CW test my ACOM 2000A decided to start to register a Protection Fault on 10 meters. This is the only band where this fault occurs . Through process of elimination (using my other amp - Ameritron 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15, 17 and 20 using the same Log that I use on 10 - through the same Six Pack / Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on

the Ameritron - all FAULT on the ACOM

Any suggestions as to where or what I should start looking?

Thanks,

Bruce - N1LN

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5232. Re: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-24 23:56:29 UTC
From: Jim Idelson
Topic: 5228 Message: 5232

I fully agree with Bob on this one. We have often found the amp Arc
Fault error is absolutely correct about bad connections somewhere in the
RF path. It is true that other equipment will work fine - transmitting
right through the problem - and during a contest, the best option may be
to stick with the equipment that works. It'll probably turn out to be a
bad switch relay contact somewhere in the 10m RF path.

Jim K1IR

On 11/24/12 6:43 PM, Bob Naumann wrote:
> OK.
>
> It is very likely that there is something in your antenna system that is
> arcing and whatever it is may only be affected by 10m RF.
>
> You have to remember that your other amplifier has no ability to detect such
> things, so it doesn't "know" that something is wrong nor can it report such
> a problem.
>
> Why it's only showing up on 10m is indeed a mystery, but the 2000A reports
> these things pretty accurately.
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Bruce Meier
> Sent: Saturday, November 24, 2012 5:01 PM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only
>
> The message is ARC FAULT
>
>
>
> Bruce - N1LN
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Bob Naumann
> Sent: Saturday, November 24, 2012 15:09
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only
>
>

>
>
>
> What error message does the amp report?
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of Bruce Meier
> Sent: Saturday, November 24, 2012 2:05 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] ACOM 2000 - Prot fault, 10m only
>
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> Protection Fault on 10 meters. This is the only band where this fault
> occurs . Through process of elimination (using my other amp - Ameritron
> 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The
> ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15,
> 17 and 20 using the same Log that I use on 10 - through the same Six Pack /
> Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on
> the Ameritron - all FAULT on the ACOM
>
> Any suggestions as to where or what I should start looking?
>
> Thanks,
>
> Bruce - N1LN
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5233. Re: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-25 00:13:00 UTC
From: K0DAN
Topic: 5228 Message: 5233

There is something unique to your 10M antenna system that is making the Acom puke. It could be a connector, coax switch, barrel connector, tuner/ SWR bridge, just about anything in in the path between Acom and antenna.

The Acom may appear to be "evil" for reporting this, but believe me it is faster and smarter than any human, and will protect itself. If it is seeing what it calls an "ARC FAULT" there is really something there, even if you other amplifiers are oblivious to it. Many Acom owners have had this issue from time to time, but with enough trial-and-error and component substitution, they always find out what was wrong. And the amplifier is always right, although sadly it cannot pin you down to the exact point of failure.

Thing to do is make a detailed diagram of your 10M coax segments, connectors, etc. If there's anything you have doubts about, start there (coax switches, splices, cheap connectors, water-laden coax are notorious). Otherwise, begin substituting a dummy load and do segment tests along your transmission line. You will probably find something that is intermittent or outright faulty, and the Acom is only genius in the house!

Let us know what you find.

Good luck and 73

Dan
K0DAN

PS Wouldn't hurt to do the manual tune procedure using Acom and all your 10M cabling into a 50 ohm dummy load. Once the Acom is manually pre-tuned for 50 ohms, see if the problem still exists. But my bet lies with the rather elaborate switching matrix you have with the stack switcher, coax switches, and various coax segments in your station. I have had much simpler segments also cause an ARC FAULT.

-----Original Message-----
From: Bruce Meier
Sent: November 24, 2012 05:00 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only

The message is ARC FAULT

Bruce - N1LN

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Saturday, November 24, 2012 15:09

To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only

What error message does the amp report?

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
Of Bruce Meier
Sent: Saturday, November 24, 2012 2:05 PM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000 - Prot fault, 10m only

During the CQWW CW test my ACOM 2000A decided to start to register a
Protection Fault on 10 meters. This is the only band where this fault
occurs . Through process of elimination (using my other amp - Ameritron
1500) the Six Pack / Stack Match / 3 antennas are all working fine. The
ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15,
17 and 20 using the same Log that I use on 10 - through the same Six Pack /
Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on
the Ameritron - all FAULT on the ACOM

Any suggestions as to where or what I should start looking?

Thanks,

Bruce - N1LN

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Yahoo! Groups Links

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Yahoo! Groups Links

5234. ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-25 00:46:58 UTC
From: D G
Topic: 5228 Message: 5234

Exactly, had that once as well, ended up being a hand-tightened (but not enough) connector. Thanks to the ACOM 2000A, I discovered a loose PL-259 and right-angle coaxial adapter, and after I wrench tightened all connectors, cables, patch cables inside and outside...problem solved.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
CC: W5OV@...
From: k1ir@designet.com
Date: Sat, 24 Nov 2012 18:56:29 -0500
Subject: Re: [acom-list] ACOM 2000 - Prot fault, 10m only

I fully agree with Bob on this one. We have often found the amp Arc
Fault error is absolutely correct about bad connections somewhere in the
RF path. It is true that other equipment will work fine - transmitting
right through the problem - and during a contest, the best option may be
to stick with the equipment that works. It'll probably turn out to be a
bad switch relay contact somewhere in the 10m RF path.

Jim K1IR

On 11/24/12 6:43 PM, Bob Naumann wrote:
> OK.
>
> It is very likely that there is something in your antenna system that is
> arcing and whatever it is may only be affected by 10m RF.
>
> You have to remember that your other amplifier has no ability to detect such
> things, so it doesn't "know" that something is wrong nor can it report such
> a problem.
>
> Why it's only showing up on 10m is indeed a mystery, but the 2000A reports
> these things pretty accurately.
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Bruce Meier
> Sent: Saturday, November 24, 2012 5:01 PM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only
>

> The message is ARC FAULT
>
>
>
> Bruce - N1LN
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> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Bob Naumann
> Sent: Saturday, November 24, 2012 15:09
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only
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>
> What error message does the amp report?
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of Bruce Meier
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> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
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> 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The
> ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15,
> 17 and 20 using the same Log that I use on 10 - through the same Six Pack /
> Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on
> the Ameritron - all FAULT on the ACOM
>
> Any suggestions as to where or what I should start looking?
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> Thanks,
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5235. Re: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-25 14:06:24 UTC
From: bill ny9h
Topic: 5228 Message: 5235

Had that fault on my vertical....

followed the advise to " trust the amp"

Indeed with a good dummyload... at a connect point before leaving the
basement it was still ok .....

the line outside had gone bad with moisture,,,,
after all it was 16 years old and buried....it was NOT burflex.

one smart amp...

5236. RE: [acom-list] ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-25 20:01:09 UTC
From: Bruce Meier
Topic: 5228 Message: 5236

Thanks to everyone that responded. Also, thanks to ACOM for building a piece of test equipment that doubles as an amplifier. The trouble was located and resolved, but more testing will be required to be sure. So far I have been using the new coax for about 1 hr and no Faults.

After some troubleshooting I determined that the coax from the Six Pack to the Stack Match was bad. It required a couple tower climbs on a mid-40 F / 12 mph wind day to first eliminate the Stack Match and then replace the coax. The bad coax was a piece of LDF4-50 that I purchased used about 9 years ago and spent the last 6 years in an underground conduit. The temporary replacement is LDF-400 and running on top of the ground. It is too cold and windy to pull the hard line out of the conduit, but just right to climb the tower a few times J !!

73,

Bruce - N1LN

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Jim Idelson
Sent: Saturday, November 24, 2012 18:56
To: acom-list@yahoogroups.com
Cc: Bob Naumann
Subject: Re: [acom-list] ACOM 2000 - Prot fault, 10m only

I fully agree with Bob on this one. We have often found the amp Arc Fault error is absolutely correct about bad connections somewhere in the RF path. It is true that other equipment will work fine - transmitting right through the problem - and during a contest, the best option may be to stick with the equipment that works. It'll probably turn out to be a bad switch relay contact somewhere in the 10m RF path.

Jim K1IR

On 11/24/12 6:43 PM, Bob Naumann wrote:
> OK.
>
> It is very likely that there is something in your antenna system that is
> arcing and whatever it is may only be affected by 10m RF.
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> You have to remember that your other amplifier has no ability to detect such
> things, so it doesn't "know" that something is wrong nor can it report such
> a problem.
>
> Why it's only showing up on 10m is indeed a mystery, but the 2000A reports

> these things pretty accurately.
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
> Of Bruce Meier
> Sent: Saturday, November 24, 2012 5:01 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only
>
> The message is ARC FAULT
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>
> Bruce - N1LN
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> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
Behalf
> Of Bob Naumann
> Sent: Saturday, November 24, 2012 15:09
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: RE: [acom-list] ACOM 2000 - Prot fault, 10m only
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> What error message does the amp report?
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> -----Original Message-----
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<mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of Bruce Meier
> Sent: Saturday, November 24, 2012 2:05 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] ACOM 2000 - Prot fault, 10m only
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> During the CQWW CW test my ACOM 2000A decided to start to register a
> Protection Fault on 10 meters. This is the only band where this fault
> occurs . Through process of elimination (using my other amp - Ameritron
> 1500) the Six Pack / Stack Match / 3 antennas are all working fine. The

> ACOM works fine on all bands except for 10 mtrs. It works fine on 12, 15,
> 17 and 20 using the same Log that I use on 10 - through the same Six Pack
/
> Stack Match. I also have a 4 element M2 and a Cushcraft A3. All work on
> the Ameritron - all FAULT on the ACOM
>
> Any suggestions as to where or what I should start looking?
>
> Thanks,
>
> Bruce - N1LN
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5237. Re: ACOM 2000 - Prot fault, 10m only

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-25 20:21:29 UTC
From: Don Kasten
Topic: 5228 Message: 5237

It could be that something about your antenna / transmission line system presents a highly reactive load at 10 Meter frequencies, generating sufficient voltages somewhere along the line to cause arcing. If you have any right-angle coaxial connectors anywhere in the line, I'd start by removing those, and then determine whether that eliminated the problem.

Don
N4DK

[Non-text portions of this message have been removed]

5238. Trust the Amp

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-27 00:58:08 UTC
From: Howard K2HK
Topic: 5238 Message: 5238

Subject: Acom Fault

Several years ago I had an error message indicating high plate voltage on my 2000. I pretty much ignored it until I had a shutdown which forced me to take action. After several voltage measurements I found a 20% over voltage.
I found the same at the outlets throughout the house..It was late at night but was able to contact the power company. First response was, We'll check it on Monday (it was a Sat nite). My reply was, remember you're responsible for any burnt out appliances or fire. They arrived a few hours later that night. I spoke to the linemen who were changing the pole transformer. They said there was a problem with a winding. Acom was the hero and could be considered a new piece of test equipment.
On the road
Sent from my iPad
Howard..K2HK

On Nov 25, 2012, at 9:07 AM, "bill ny9h" <ny9h@...> wrote:

Had that fault on my vertical....

followed the advise to " trust the amp"

Indeed with a good dummyload... at a connect point before leaving the
basement it was still ok .....

the line outside had gone bad with moisture,,,,
after all it was 16 years old and buried....it was NOT burflex.
one smart amp...

On the road
Sent from my iPad

[Non-text portions of this message have been removed]

5239. Acom 1000 Error Codes

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-28 17:55:53 UTC
From: Irwin Darack
Topic: 5239 Message: 5239

My Acom 1000 amp stopped working in the CQWW CW contest this weekend and I would appreciate any assistance in diagnosing.
Amp: Serial Number: 020175
Tube - Original: Serial Number: 4128/11
Purchased: 5/18/2002
Running: 240 volts
I had been using the amp in the contest, took a quick break and placed the amp in stand-bye (Operate Off). When I came back, the amp was turned off. I am able to turn the amp back on, but it will no longer tune. The SWR into my dummy load is 1/1 when I am in Stand-Bye (Operate Off), but goes to infinity when I am in Operate Mode. I had a spare amp, which is working fine, so I know that my other components are working fine.
I would apprecite any asisance in diagnosing the amp.
Here are the error codes I am getting from the LCD:
1ASB2E 000000 000000
1BB298 0720DC DF7FF9
2ASB2B 000000 000029
2BB499 0720D8 D77FDE
3ASB27 000000 000000
3BD3B2 0720DC D77FB3
4APN05 000000 000600
4BA19B 0400DE DF7EE4
5ASB27 000000 000000
5BD1B3 0720DC D77FBO
6APN07 000000 000000
6B0097 0400DC DF6E5D
7APN07 000000 000000
7B0097 0400DC DF6E5D

Thank you, Irwin KD3TB

--
Irwin KD3TB

[Non-text portions of this message have been removed]

5240. Re: [acom-list] Acom 1000 Error Codes

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-28 19:03:12 UTC
From: W5OV@w5ov.com
Topic: 5239 Message: 5240

The error code indicates a Power Supply problem in either the +5 or 24v
power supplies and that it occurred while in standby. More in-depth
trouble shooting will need to take place to narrow it down further.

The error codes give you a hint where to look - not how to repair the amp
specifically.

Bob W5OV
Array Solutions

> My Acom 1000 amp stopped working in the CQWW CW contest this weekend and I
> would appreciate any assistance in diagnosing.
> Amp: Serial Number: 020175
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> am able to turn the amp back on, but it will no longer tune. The SWR into
> my dummy load is 1/1 when I am in Stand-Bye (Operate Off), but goes to
> infinity when I am in Operate Mode. I had a spare amp, which is working
> fine, so I know that my other components are working fine.
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> 3ASB27 000000 000000
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> 4APN05 000000 000600
> 4BA19B 0400DE DF7EE4
> 5ASB27 000000 000000
> 5BD1B3 0720DC D77FBO
> 6APN07 000000 000000
> 6B0097 0400DC DF6E5D
> 7APN07 000000 000000
> 7B0097 0400DC DF6E5D
>
> Thank you, Irwin KD3TB
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> Irwin KD3TB
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5241. Re: [acom-list] Acom 1000 Error Codes

Yahoo group: acom-list (2010 — 2016)
Date: 2012-11-28 21:38:18 UTC
From: Irwin Darack
Topic: 5239 Message: 5241

Thank you, Irwin KD3TB

On Wed, Nov 28, 2012 at 2:03 PM, <W5OV@...> wrote:

> **
>
>
> The error code indicates a Power Supply problem in either the +5 or 24v
> power supplies and that it occurred while in standby. More in-depth
> trouble shooting will need to take place to narrow it down further.
>
> The error codes give you a hint where to look - not how to repair the amp
> specifically.
>
> Bob W5OV
> Array Solutions
>
>
> > My Acom 1000 amp stopped working in the CQWW CW contest this weekend and
> I
> > would appreciate any assistance in diagnosing.
> > Amp: Serial Number: 020175
> > Tube - Original: Serial Number: 4128/11
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> > amp in stand-bye (Operate Off). When I came back, the amp was turned off.
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> > infinity when I am in Operate Mode. I had a spare amp, which is working
> > fine, so I know that my other components are working fine.
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> > 5BD1B3 0720DC D77FBO

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> > 6B0097 0400DC DF6E5D
> > 7APN07 000000 000000
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> > Thank you, Irwin KD3TB
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> > Irwin KD3TB
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Irwin KD3TB

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5243. ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 03:16:45 UTC
From: n3dg
Topic: 5243 Message: 5243

After a brief fling with a foreign solid-state amplifier, I was gratefully reunited with another new ACOM 2000A (I should have never sold my first one). I considered the super-nice OM Power OM2500A which is now available with some more horsepower, but nothing runs as quiet as the ACOM 2000A which has proven itself over a long legacy:

http://www.arraysolutions.com/Products/OM_Power/OM_Power.htm

To cover 6 Meters, I also added a new sibling, the ACOM 1500 dedicated to 50 MHz and as an HF backup.

http://www.arraysolutions.com/index.html

I have been very jazzed by the ACOM 2000A Remote Control Unit which adds CAT Frequency Tracking and many other features and user-friendliness to the ACOM 2000A which has evolved and been perfected over more than a decade. I just saw this new video and sexy pics:

http://www.youtube.com/watch?v=_q0UuMRcaNQ

http://www.arraysolutions.com/Acom/NEWRCU.htm

The new ACOM CAT RCU in one small package, takes any newer or older ACOM 2000A to a new level of functionality and features and has modernized the amplifier for this decade with even more advantages over other US and EU HF QRO Amplifiers.

I just placed my order with Array Solutions via website:

http://www.arraysolutions.com/Products/acom.htm

I understand Jay & Bob will be handing them to Santa to deliver by Christmas...can't wait !

73,

Dennis
N3DG

5244. ACOM 2000A CAT RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 12:57:53 UTC
From: W1JCW
Topic: 5243 Message: 5244

Hey Dennis -

What is going on with this guy:

From: TexasTradersNet-owner@yahoogroups.com
Sent: Wednesday, December 05, 2012 9:25 AM
To: TexasTradersNet@yahoogroups.com
Subject: [TexasTradersNet] Beware of

1
Warning Warning When Doing Business With N3DG
Mon Dec 3, 2012 4:27 pm (PST) . Posted by:
"Allan C" kb5doh
Learn from our experiences.
Pennradio/N3DG/ D. Gazak has been picking up a very unsavory reputation on ebay as well as other online trading facilities. From what I understand he has been banned from selling on at least one amateur radio site. I had the misfortune of buying a power supply from him. I received over 20 demands for payment in the first two days after the auction. I paid him VIA Paypal (luckily) including a ridiculous $50 to ship an 11 pound item. (Actual shipping cost was close to $12) The item arrived severly damaged due to the very lame "packing" job. He claimed the item would be PROFESSIONALLY packed. It was not. The item was stuffed into a well used box with used air pillow packing. Of course the air pillow beccame puntured allowing the item to flop around and become damaged. When it arrived damaged he refused to accept any responsibility and ordered ME to file a claim with the shipper. Of course the shipper will not pay off on inferior packing. The seller is RUDE and abusive.

I filed a Paypal claim and was awarded a refund after Paypal reviewed the case. The item was returned, packed far better by me than I had received it. When Mr. Gazak received the DAMAGED power supply he simply relisted the DAMAGED supply on ebay and re-sold it. I later saw the same power supply for sale on ebay. The damaged power connector was the tip-off. I contacted the new owner and compared notes. The new owner thougt the damage occured when the item was shipped to him. He had no idea the damage was existing but concealed at time of sale. He also said that pennradio offered to send him a matching transmitter in the future in exchange for posting favorable feedback !

Please do a web search of N3DG before experiencing a deal with this guy ! Check out his feedback on QTH.com and READ his negatives here on ebay. Heed the feedback!

From: n3dg
Sent: Wednesday, December 05, 2012 9:16 PM

To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

After a brief fling with a foreign solid-state amplifier, I was gratefully reunited with another new ACOM 2000A (I should have never sold my first one). I considered the super-nice OM Power OM2500A which is now available with some more horsepower, but nothing runs as quiet as the ACOM 2000A which has proven itself over a long legacy:

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http://www.arraysolutions.com/Products/acom.htm

I understand Jay & Bob will be handing them to Santa to deliver by Christmas...can't wait !

73,

Dennis
N3DG

[Non-text portions of this message have been removed]

5245. Re: ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 14:24:38 UTC
From: k2cb_eric
Topic: 5243 Message: 5245

New price with the new controller - $7950
Price last week with the old controller - $6850
Price for new controller alone - $900

What am I missing? I would have been better off and ahead of the game if I purchased one last month and then added the new controller after the fact. I would have saved $100 AND had a spare controller!

I was waiting to buy once the new controller was available. I guess that was a bad call. I expected maybe a small increase for the new controller, but not $1100!

I may now re-consider an Alpha 9500. Or wait to see what the AN Wireless group (ex Command Tech / Palstar) has to deliver next year.....

--- In acom-list@yahoogroups.com, "n3dg" <radiodg@...> wrote:
>
> After a brief fling with a foreign solid-state amplifier, I was gratefully reunited with another new ACOM 2000A (I should have never sold my first one). I considered the super-nice OM Power OM2500A which is now available with some more horsepower, but nothing runs as quiet as the ACOM 2000A which has proven itself over a long legacy:
>
> http://www.arraysolutions.com/Products/OM_Power/OM_Power.htm
>
> To cover 6 Meters, I also added a new sibling, the ACOM 1500 dedicated to 50 MHz and as an HF backup.
>
> http://www.arraysolutions.com/index.html
>
> I have been very jazzed by the ACOM 2000A Remote Control Unit which adds CAT Frequency Tracking and many other features and user-friendliness to the ACOM 2000A which has evolved and been perfected over more than a decade. I just saw this new video and sexy pics:
>
> http://www.youtube.com/watch?v=_q0UuMRcaNQ
>
> http://www.arraysolutions.com/Acom/NEWRCU.htm
>
> The new ACOM CAT RCU in one small package, takes any newer or older ACOM 2000A to a new level of functionality and features and has modernized the amplifier for this decade with even more advantages over other US and EU HF QRO Amplifiers.
>
> I just placed my order with Array Solutions via website:
>
> http://www.arraysolutions.com/Products/acom.htm
>
> I understand Jay & Bob will be handing them to Santa to deliver by Christmas...can't wait !

>
> 73,
>
> Dennis
> N3DG
>

5246. Re: ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 14:28:27 UTC
From: k2cb_eric
Topic: 5243 Message: 5246

CORRECTION - would have saved $200. But you get my point......

--- In acom-list@yahoogroups.com, "k2cb_eric" <k2cb@...> wrote:
>
> New price with the new controller - $7950
> Price last week with the old controller - $6850
> Price for new controller alone - $900
>
> What am I missing? I would have been better off and ahead of the game if I purchased one last month and then added the new controller after the fact. I would have saved $100 AND had a spare controller!
>
> I was waiting to buy once the new controller was available. I guess that was a bad call. I expected maybe a small increase for the new controller, but not $1100!
>
> I may now re-consider an Alpha 9500. Or wait to see what the AN Wireless group (ex Command Tech / Palstar) has to deliver next year.....
>
>
>
> --- In acom-list@yahoogroups.com, "n3dg" <radiodg@> wrote:
> >
> > After a brief fling with a foreign solid-state amplifier, I was gratefully reunited with another new ACOM 2000A (I should have never sold my first one). I considered the super-nice OM Power OM2500A which is now available with some more horsepower, but nothing runs as quiet as the ACOM 2000A which has proven itself over a long legacy:
> >
> > http://www.arraysolutions.com/Products/OM_Power/OM_Power.htm
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> > To cover 6 Meters, I also added a new sibling, the ACOM 1500 dedicated to 50 MHz and as an HF backup.
> >
> > http://www.arraysolutions.com/index.html
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> > I have been very jazzed by the ACOM 2000A Remote Control Unit which adds CAT Frequency Tracking and many other features and user-friendliness to the ACOM 2000A which has evolved and been perfected over more than a decade. I just saw this new video and sexy pics:
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> > http://www.youtube.com/watch?v=_q0UuMRcaNQ
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> > http://www.arraysolutions.com/Acom/NEWRCU.htm
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> > The new ACOM CAT RCU in one small package, takes any newer or older ACOM 2000A to a new level of functionality and features and has modernized the amplifier for this decade with even more advantages over other US and EU HF QRO Amplifiers.

> >
> > I just placed my order with Array Solutions via website:
> >
> > http://www.arraysolutions.com/Products/acom.htm
> >
> > I understand Jay & Bob will be handing them to Santa to deliver by Christmas...can't wait !
> >
> > 73,
> >
> > Dennis
> > N3DG
> >
>

5247. ACOM 2000A CAT RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 14:34:22 UTC
From: D G
Topic: 5243 Message: 5247

Slander & Libel.
A forum is not the place to discuss Personal Business, which is especially, none of yours !

To: acom-list@yahoogroups.com
From: w1jcw@...
Date: Thu, 6 Dec 2012 06:57:53 -0600
Subject: [acom-list] ACOM 2000A CAT RCU

Hey Dennis -

What is going on with this guy:

From: TexasTradersNet-owner@yahoogroups.com
Sent: Wednesday, December 05, 2012 9:25 AM
To: TexasTradersNet@yahoogroups.com
Subject: [TexasTradersNet] Beware of

1
Warning Warning When Doing Business With N3DG
Mon Dec 3, 2012 4:27 pm (PST) . Posted by:
"Allan C" kb5doh
Learn from our experiences.
Pennradio/N3DG/ D. Gazak has been picking up a very unsavory reputation on ebay as well as other online trading facilities. From what I understand he has been banned from selling on at least one amateur radio site. I had the misfortune of buying a power supply from him. I received over 20 demands for payment in the first two days after the auction. I paid him VIA Paypal (luckily) including a ridiculous $50 to ship an 11 pound item. (Actual shipping cost was close to $12) The item arrived severly damaged due to the very lame "packing" job. He claimed the item would be PROFESSIONALLY packed. It was not. The item was stuffed into a well used box with used air pillow packing. Of course the air pillow beccame puntured allowing the item to flop around and become damaged. When it arrived damaged he refused to accept any responsibility and ordered ME to file a claim with the shipper. Of course the shipper will not pay off on inferior packing. The seller is RUDE and abusive.

I filed a Paypal claim and was awarded a refund after Paypal reviewed the case. The item was returned, packed far better by me than I had received it. When Mr. Gazak received the DAMAGED power supply he simply relisted the DAMAGED supply on ebay and re-sold it. I later saw the same power supply for sale on ebay. The damaged power connector was the tip-off. I contacted the new owner and compared notes. The new owner thougt the damage occured when the item was shipped to him. He had no idea the damage was existing but concealed at time of sale. He also said that pennradio offered to send him a matching transmitter in the future

in exchange for posting favorable feedback !

Please do a web search of N3DG before experiencing a deal with this guy
! Check out his feedback on QTH.com and READ his negatives here on ebay.
Heed the feedback!

From: n3dg
Sent: Wednesday, December 05, 2012 9:16 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

After a brief fling with a foreign solid-state amplifier, I was gratefully reunited with another new ACOM 2000A (I should have never sold my first one). I considered the super-nice OM Power OM2500A which is now available with some more horsepower, but nothing runs as quiet as the ACOM 2000A which has proven itself over a long legacy:

http://www.arraysolutions.com/Products/OM_Power/OM_Power.htm

To cover 6 Meters, I also added a new sibling, the ACOM 1500 dedicated to 50 MHz and as an HF backup.

http://www.arraysolutions.com/index.html

I have been very jazzed by the ACOM 2000A Remote Control Unit which adds CAT Frequency Tracking and many other features and user-friendliness to the ACOM 2000A which has evolved and been perfected over more than a decade. I just saw this new video and sexy pics:

http://www.youtube.com/watch?v=_q0UuMRcaNQ

http://www.arraysolutions.com/Acom/NEWRCU.htm

The new ACOM CAT RCU in one small package, takes any newer or older ACOM 2000A to a new level of functionality and features and has modernized the amplifier for this decade with even more advantages over other US and EU HF QRO Amplifiers.

I just placed my order with Array Solutions via website:

http://www.arraysolutions.com/Products/acom.htm

I understand Jay & Bob will be handing them to Santa to deliver by Christmas...can't wait !

73,

Dennis
N3DG

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5248. RE: [acom-list] Re: ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 14:49:13 UTC
From: Bob Naumann
Topic: 5243 Message: 5248

Eric,

You're not missing anything and yes, you could have saved a few hundred dollars had you bought one before we sold out of the original units.

The 2000A was underpriced and represented probably the best bargain in ham radio for a long time.

At the same time that the new RCU was introduced, Acom has decided to increase the base price of the amplifier, which they have not done for nearly 10 years.

Price increases will follow on the 1000, the 1010, and the 1011 at some time in the future. The new 1500's price will not change as it is part of the new pricing structure from Acom already.

Before you consider an Alpha 9500, you need to look at how the 2000A is still better from several perspectives.

Read the comments from those who had a 9500, sent it back for a refund, replaced it with an Acom, and wished they had not wasted their time with the Alpha.

73,

Bob W5OV
Array Solutions
USA Acom Dealer

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of k2cb_eric
Sent: Thursday, December 06, 2012 8:25 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 2000A CAT RCU, Added Value & Features, Coming to USA

New price with the new controller - $7950
Price last week with the old controller - $6850
Price for new controller alone - $900

What am I missing? I would have been better off and ahead of the game if I purchased one last month and then added the new controller after the fact. I would have saved $100 AND had a spare controller!

I was waiting to buy once the new controller was available. I guess that was a bad call. I expected maybe a small increase for the new controller, but not $1100!

I may now re-consider an Alpha 9500. Or wait to see what the AN Wireless group (ex Command Tech / Palstar) has to deliver next year.....

--- In acom-list@yahoogroups.com, "n3dg" <radiodg@...> wrote:
>
> After a brief fling with a foreign solid-state amplifier, I was gratefully reunited with another new ACOM 2000A (I should have never sold my first one). I considered the super-nice OM Power OM2500A which is now available with some more horsepower, but nothing runs as quiet as the ACOM 2000A which has proven itself over a long legacy:
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> http://www.arraysolutions.com/Products/OM_Power/OM_Power.htm
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> To cover 6 Meters, I also added a new sibling, the ACOM 1500 dedicated to 50 MHz and as an HF backup.
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>
> I have been very jazzed by the ACOM 2000A Remote Control Unit which adds CAT Frequency Tracking and many other features and user-friendliness to the ACOM 2000A which has evolved and been perfected over more than a decade. I just saw this new video and sexy pics:
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> http://www.youtube.com/watch?v=_q0UuMRcaNQ
>
> http://www.arraysolutions.com/Acom/NEWRCU.htm
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> The new ACOM CAT RCU in one small package, takes any newer or older ACOM 2000A to a new level of functionality and features and has modernized the amplifier for this decade with even more advantages over other US and EU HF QRO Amplifiers.
>
> I just placed my order with Array Solutions via website:
>
> http://www.arraysolutions.com/Products/acom.htm
>
> I understand Jay & Bob will be handing them to Santa to deliver by Christmas...can't wait !
>
> 73,
>
> Dennis
> N3DG
>

Yahoo! Groups Links

5249. Amp FOR SALE

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-06 16:14:18 UTC
From: William Beyer (WILD BILL)
Topic: 5249 Message: 5249

To SFDXA/Acom Members etc.....

FOR SALE ACOM 1000

LIKE NEW UNIT....clean and in mint condx.

Amp is in mint condition, simply perfect in every way. Manual, original cartons, etc. Currently configured for 240v operation (cord/plug included). Amp just like new. 1,000W output 160 thru 6m manual band change and tune, however easily tunes 'by the numbers'. Priced to sell at $2,495 + shipping from 32174....prefer pick-up.

http://hfpower.com/new/a1000.htm

Call....
386.679.6292

73

Bill N2WB (WILD BILL)

DX RULES !!!

5250. 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-08 19:56:17 UTC
From: John
Topic: 5250 Message: 5250

We were told in 2011 that the 800S Solid State Amplifier would be available in late 2011 or early 2012. It is now late 2012, and not a peep on when the 800S might ship. Is this amplifier vaporware? [(:|]

John, N9JG

[Non-text portions of this message have been removed]

5251. Re: [acom-list] 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-09 00:58:03 UTC
From: W5OV@w5ov.com
Topic: 5250 Message: 5251

John,

Acom is not happy with the development of the 800S.

The 800S was announced at Friedrichshafen in 2011, and it was expected that the amplifier would be ready to go around the beginning of 2012 and we all know that did not happen.

What we have been told recently is that Acom has not been able to achieve the level of reliability and robustness in a solid state design that Acom is known for with the rest of their amplifier products. While not having the 800S has been disappointing, had it been released, and resulted in costly failures, none of us would have been happy.

Acom is still working on refining a solid state amplifier design, and the first model released may be rated at a lower power level - maybe 600 watts.

In the meantime, the Acom amplifier line with tube finals is the best you can buy.

73,

Bob W5OV
Array Solutions
Acom USA Distributor

>
> We were told in 2011 that the 800S Solid State Amplifier would be
> available in late 2011 or early 2012. It is now late 2012, and not a
> peep on when the 800S might ship. Is this amplifier vaporware? [(:|]
>
> John, N9JG
>
>
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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>

5252. Re: [acom-list] 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-09 00:58:25 UTC
From: W5OV@w5ov.com
Topic: 5250 Message: 5252

John,

Acom is not happy with the development of the 800S.

The 800S was announced at Friedrichshafen in 2011, and it was expected that the amplifier would be ready to go around the beginning of 2012 and we all know that did not happen.

What we have been told recently is that Acom has not been able to achieve the level of reliability and robustness in a solid state design that Acom is known for with the rest of their amplifier products. While not having the 800S has been disappointing, had it been released, and resulted in costly failures, none of us would have been happy.

Acom is still working on refining a solid state amplifier design, and the first model released may be rated at a lower power level - maybe 600 watts.

In the meantime, the Acom amplifier line with tube finals is the best you can buy.

73,

Bob W5OV
Array Solutions
Acom USA Distributor

>
> We were told in 2011 that the 800S Solid State Amplifier would be
> available in late 2011 or early 2012. It is now late 2012, and not a
> peep on when the 800S might ship. Is this amplifier vaporware? [(:|]
>
> John, N9JG
>
>
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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>

5253. Re: [acom-list] 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-09 01:12:58 UTC
From: Jim Cox
Topic: 5250 Message: 5253

Thanks Bob for the info. Certainly agree if the product is not up to Acom's reputation, glad they didn't release it at this time. Hate to tarnish the quality standard Acom had established.
73s Jim K4JAF

From: W5OV@...
Sent: Saturday, December 08, 2012 6:58 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 800S SS Amp - Where is it?

John,

Acom is not happy with the development of the 800S.

The 800S was announced at Friedrichshafen in 2011, and it was expected that the amplifier would be ready to go around the beginning of 2012 and we all know that did not happen.

What we have been told recently is that Acom has not been able to achieve the level of reliability and robustness in a solid state design that Acom is known for with the rest of their amplifier products. While not having the 800S has been disappointing, had it been released, and resulted in costly failures, none of us would have been happy.

Acom is still working on refining a solid state amplifier design, and the first model released may be rated at a lower power level - maybe 600 watts.

In the meantime, the Acom amplifier line with tube finals is the best you can buy.

73,

Bob W5OV
Array Solutions
Acom USA Distributor

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> We were told in 2011 that the 800S Solid State Amplifier would be
> available in late 2011 or early 2012. It is now late 2012, and not a
> peep on when the 800S might ship. Is this amplifier vaporware? [(:|]
>
> John, N9JG
>
>
>
> [Non-text portions of this message have been removed]

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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5254. Re: 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-09 01:52:28 UTC
From: John
Topic: 5250 Message: 5254

Thank you for your prompt response. I am a very happy owner of an Acom 1000, but for various reasons I had an interest in an Acom quality solid-state amplifier. I agree 100% with the idea of avoiding a less than reliabile amplifier.

John, N9JG

--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> John,
>
> Acom is not happy with the development of the 800S.
>
> The 800S was announced at Friedrichshafen in 2011, and it was expected
> that the amplifier would be ready to go around the beginning of 2012 and
> we all know that did not happen.
>
> What we have been told recently is that Acom has not been able to achieve
> the level of reliability and robustness in a solid state design that Acom
> is known for with the rest of their amplifier products. While not having
> the 800S has been disappointing, had it been released, and resulted in
> costly failures, none of us would have been happy.
>
> Acom is still working on refining a solid state amplifier design, and the
> first model released may be rated at a lower power level - maybe 600
> watts.
>
> In the meantime, the Acom amplifier line with tube finals is the best you
> can buy.
>
> 73,
>
> Bob W5OV
> Array Solutions
> Acom USA Distributor
>
>
> >
> > We were told in 2011 that the 800S Solid State Amplifier would be

> > available in late 2011 or early 2012. It is now late 2012, and not a
> > peep on when the 800S might ship. Is this amplifier vaporware? [(:|]
> >
> > John, N9JG
> >
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> >
> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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5255. Re: [acom-list] Re: 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-09 08:30:43 UTC
From: IVAN
Topic: 5250 Message: 5255

Hola,
Esto sigue confirmando el seriamente compromiso de Bulgaria ACOM con la primera clase y calidad que van paso a paso, antes para poner un producto en el mercado y realización del servicio exquisito al cliente, el mío 2000 ACOM comprado directamente en Bulgaria en 2000/2001 trabaja ahora mismo al principio día que comienzo con ello.
73´s Ivan EA8YG

Navidad alegre y feliz 20 (13) a todos de la Isla Lanzarote, Islas Canarias !!!!!

El 09/12/2012 1:52, John escribió:
>
>
> Thank you for your prompt response. I am a very happy owner of an Acom
> 1000, but for various reasons I had an interest in an Acom quality
> solid-state amplifier. I agree 100% with the idea of avoiding a less
> than reliabile amplifier.
>
> John, N9JG
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> W5OV@... wrote:
> >
> > John,
> >
> > Acom is not happy with the development of the 800S.
> >
> > The 800S was announced at Friedrichshafen in 2011, and it was expected
> > that the amplifier would be ready to go around the beginning of 2012
> and
> > we all know that did not happen.
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> > What we have been told recently is that Acom has not been able to
> achieve
> > the level of reliability and robustness in a solid state design that
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> > is known for with the rest of their amplifier products. While not
> having
> > the 800S has been disappointing, had it been released, and resulted in
> > costly failures, none of us would have been happy.
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> > Acom is still working on refining a solid state amplifier design, and
> the
> > first model released may be rated at a lower power level - maybe 600

> > watts.
> >
> > In the meantime, the Acom amplifier line with tube finals is the best
> you
> > can buy.
> >
> > 73,
> >
> > Bob W5OV
> > Array Solutions
> > Acom USA Distributor
> >
> >
> > >
> > > We were told in 2011 that the 800S Solid State Amplifier would be
> > > available in late 2011 or early 2012. It is now late 2012, and not a
> > > peep on when the 800S might ship. Is this amplifier vaporware? [(:|]
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> > > John, N9JG
> > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
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> > > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5256. Re: [acom-list] Re: 800S SS Amp - Where is it?

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-09 08:46:57 UTC
From: IVAN
Topic: 5250 Message: 5256

Hello,
This keeps on confirming seriously commitment of Bulgaria ACOM with
the first class and quality that they go step by step, earlier to put one
product on the market and achievement of the exquisite service to the
client,
mine 2000 ACOM bought directly in Bulgaria in 2000/2001 it works
right now at first day that I begin with it.
73's Ivan EA8YG

Merry Christmas and Happy 20(13)

El 09/12/2012 8:30, IVAN escribi?:
> Hola,
> Esto sigue confirmando el seriamente compromiso de Bulgaria ACOM con la
> primera clase y calidad que van paso a paso, antes para poner un
> producto en el mercado y realizaci?n del servicio exquisito al cliente,
> el m?o 2000 ACOM comprado directamente en Bulgaria en 2000/2001 trabaja
> ahora mismo al principio d?a que comienzo con ello.
> 73?s Ivan EA8YG

5257. ACOM2000A fuse (spare part)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-10 11:06:17 UTC
From: Thomas Herrmann
Topic: 5257 Message: 5257

Hello all,
one of 2 ACOM2000A US type ceramics fuses (back side) 20A/250V/314 is broken.
My question: what type of fuse is it (fleet or slow) ?
May I replace it by EU type glass fuse 20A/250V ?

Thank You for response.
73 de Thomas, DL1AMQ

5258. Re: ACOM2000A fuse (spare part)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-10 11:40:39 UTC
From: PA4JJ
Topic: 5257 Message: 5258

Thomas
I would suggest a slow type as there will be a peak when the transformer is switched on. But to be safe you could start using a slow type. But do try to use a ceramic type to avoid an exploding glass type.
73
Jan
PA4JJ

--- In acom-list@yahoogroups.com, "Thomas Herrmann" <dl1amq@...> wrote:
>
> Hello all,
> one of 2 ACOM2000A US type ceramics fuses (back side) 20A/250V/314 is broken.
> My question: what type of fuse is it (fleet or slow) ?
> May I replace it by EU type glass fuse 20A/250V ?
>
> Thank You for response.
> 73 de Thomas, DL1AMQ
>

5259. RE: [acom-list] Re: ACOM2000A fuse (spare part)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-12 11:52:28 UTC
From: Bob Naumann
Topic: 5257 Message: 5259

These are not "slow blow" fuses.

From the 2000A manual (page 25):

The two Primary Mains Fuses of the amplifier are located on the rear panel. They are 20A/250V Quick blow, 1-1/4 x 1/4 inch Cartridge Fuses, Size "0" Ceramic.

73,

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of PA4JJ
Sent: Monday, December 10, 2012 5:41 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM2000A fuse (spare part)

Thomas
I would suggest a slow type as there will be a peak when the transformer is switched on. But to be safe you could start using a slow type. But do try to use a ceramic type to avoid an exploding glass type.
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Jan
PA4JJ

--- In acom-list@yahoogroups.com, "Thomas Herrmann" <dl1amq@...> wrote:
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> Hello all,
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> Thank You for response.
> 73 de Thomas, DL1AMQ
>

Yahoo! Groups Links

5260. new rcu

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-14 06:22:19 UTC
From: iv3jcc
Topic: 5260 Message: 5260

Hi

Any news about new rcu acom 2000a?
I have ordered it about 3 months ago but still not arraived. Not a good thing. I hope like gift for Chistmas HI HI.

Greetings to all de iv3jcc

5261. RE: [acom-list] new rcu

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-14 11:12:45 UTC
From: Bob Naumann
Topic: 5260 Message: 5261

They are arriving in USA next week.

Your dealer should have them soon also.

73,

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of iv3jcc
Sent: Friday, December 14, 2012 12:22 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] new rcu

Hi

Any news about new rcu acom 2000a?
I have ordered it about 3 months ago but still not arraived. Not a good thing. I hope like gift for Chistmas HI HI.

Greetings to all de iv3jcc

Yahoo! Groups Links

5262. Re: new rcu

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-14 13:30:46 UTC
From: iv3jcc
Topic: 5260 Message: 5262

tnx....I hope. 73
--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> They are arriving in USA next week.
>
> Your dealer should have them soon also.
>
> 73,
>
> Bob W5OV
> Array Solutions
> Acom Distributor North America
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of iv3jcc
> Sent: Friday, December 14, 2012 12:22 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] new rcu
>
> Hi
>
> Any news about new rcu acom 2000a?
> I have ordered it about 3 months ago but still not arraived. Not a good
> thing. I hope like gift for Chistmas HI HI.
>
> Greetings to all de iv3jcc
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>

5263. RE: [acom-list] ACOM2000A fuse (spare part)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-15 23:45:45 UTC
From: N2TK, Tony
Topic: 5257 Message: 5263

Thomas,

I am way behind with my email. I am assuming you got an answer for this?

Unless it is the only fuse you have, don't you use glass at this high a voltage and current. Ceramic fuses don't explode. Glass can explode and make a mess. The fuses are 20A ceramic quick-blow.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Thomas Herrmann
Sent: Monday, December 10, 2012 6:06 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM2000A fuse (spare part)

Hello all,
one of 2 ACOM2000A US type ceramics fuses (back side) 20A/250V/314 is broken.
My question: what type of fuse is it (fleet or slow) ?
May I replace it by EU type glass fuse 20A/250V ?

Thank You for response.
73 de Thomas, DL1AMQ

[Non-text portions of this message have been removed]

5264. Re: [acom-list] ACOM2000A fuse (spare part)

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-16 09:31:36 UTC
From: Thomas Herrmann
Topic: 5257 Message: 5264

Dear Tony and all which esponsed,

in the time between I got ceramic type fast blow spare fuses. It took some days and a 350 km ride to get them (in Dresden).
And yes, at a second view, I found the related info (fast blow) in the manual. At the first view, I was much to exhausted, hi.
Thank You for Your response and
season’s greetings.
Thomas, DL1AMQ

From: N2TK, Tony
Sent: Sunday, December 16, 2012 12:45 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM2000A fuse (spare part)

Thomas,

I am way behind with my email. I am assuming you got an answer for this?

Unless it is the only fuse you have, don't you use glass at this high a voltage and current. Ceramic fuses don't explode. Glass can explode and make a mess. The fuses are 20A ceramic quick-blow.

73,

N2TK, Tony

From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
Of Thomas Herrmann
Sent: Monday, December 10, 2012 6:06 AM
To: mailto:acom-list%40yahoogroups.com
Subject: [acom-list] ACOM2000A fuse (spare part)

Hello all,
one of 2 ACOM2000A US type ceramics fuses (back side) 20A/250V/314 is broken.
My question: what type of fuse is it (fleet or slow) ?
May I replace it by EU type glass fuse 20A/250V ?

Thank You for response.
73 de Thomas, DL1AMQ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5265. gu74b for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-19 14:53:29 UTC
From: Desloovere Dirk
Topic: 5087 Message: 5265

Hallo
I have for sale
1 one matched pair of NOS GU74B , tested in a eto91b at + 1,5kW
for 250 euro , shipping not included
3 pieces of NOS gu74b , tested in acom1000 at 1 kw : 100 Euro
also shipping not included. 3 pieces in one sale for 250 Euro.

73
Dirk
on4ct

intrested : mail me via my qrz.com email adres, I do not read often
the yahoo mail

5266. Acom 1000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-22 12:54:44 UTC
From: myles
Topic: 4165 Message: 5266

Hi

I have for sale a mint condition low hr Acom 1000 for sale.

Drop me a line here if interested, or I have photos more info etc on QRZ.COM classified.

http://forums.qrz.com/showthread.php?372616-ACOM-1000-amp&highlight=acom+1000

Thanks and happy holidays

N2EHG

5267. ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-26 16:45:03 UTC
From: cimarostif
Topic: 5267 Message: 5267

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

5268. Re: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-26 18:26:15 UTC
From: K0DAN
Topic: 5267 Message: 5268

Will it work on 30M to dummy load?

-----Original Message-----
From: cimarostif
Sent: December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

5270. Re: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-27 04:36:03 UTC
From: kg4lru@aol.com
Topic: 5267 Message: 5270

Not sure in Italy but here in the usa its a low power band only if you have a usa amp .

Phil ai4dq

In a message dated 12/26/2012 11:45:21 A.M. Eastern Standard Time, ik2typ@... writes:

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

[Non-text portions of this message have been removed]

5271. Re: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-27 13:18:22 UTC
From: Barry N1EU
Topic: 5267 Message: 5271

Fwiw, my 2000A does work on 30m

73 & happy holidays,
Barry N1EU
On Dec 26, 2012 11:36 PM, <kg4lru@...> wrote:

**

Not sure in Italy but here in the usa its a low power band only if you
have a usa amp .

Phil ai4dq

In a message dated 12/26/2012 11:45:21 A.M. Eastern Standard Time,
ik2typ@tiscali.it writes:

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5272. RE: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-27 13:44:45 UTC
From: Hal Kennedy
Topic: 5267 Message: 5272

ACOM 2000A's work on 30M unless they are broken. Full output: 1500W. There is no "USA" amp.

ACOM 2000A's don't cover 6M.

73,

Hal N4GG

**

Not sure in Italy but here in the usa its a low power band only if you have a usa amp .

Phil ai4dq

In a message dated 12/26/2012 11:45:21 A.M. Eastern Standard Time, ik2typ@... <mailto:ik2typ%40tiscali.it> writes:

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5273. RE: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-27 14:10:04 UTC
From: Bob Naumann
Topic: 5267 Message: 5273

It sounds like your radio is not putting out any RF to the amplifier.

Do you have the 30m output on your radio connected to the amplifiers' input?

Some radios (like Icom) have the antenna 1/2 switch and it could be in the wrong position.

USA Acom 2000A units are the same as in any other region - no difference.

73,

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of cimarostif
Sent: Wednesday, December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

5274. R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-28 16:53:24 UTC
From: ik2typ
Topic: 5267 Message: 5274

No, not even with a dummy load, It have been working under a 3 el+40mt
Steppir (with not less than SWR 2.5) as My Steppir is not much better in 30,
but now it does not work at all only in 30mt.

Sorry Acom does not cover 6 mt band.

IK2TYP Fede

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto
di K0DAN
Inviato: mercoledì 26 dicembre 2012 19.26
A: acom-list@yahoogroups.com
Oggetto: Re: [acom-list] ACOM 2000A does not work in 30 mt

Will it work on 30M to dummy load?

-----Original Message-----
From: cimarostif
Sent: December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5275. R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-28 17:15:27 UTC
From: ik2typ
Topic: 5267 Message: 5275

The radio (icom 7800), works perfectly in 30mt too, and the Amp display reads the right frequency.

If I overdrive the Amp, at some point the RCU drive LED lights. But forward power LED bar graph remain off, and no power goes to the antenna.

73

Ik2typ

Fede

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto di Bob Naumann
Inviato: giovedì 27 dicembre 2012 15.10
A: acom-list@yahoogroups.com
Oggetto: RE: [acom-list] ACOM 2000A does not work in 30 mt

It sounds like your radio is not putting out any RF to the amplifier.

Do you have the 30m output on your radio connected to the amplifiers' input?

Some radios (like Icom) have the antenna 1/2 switch and it could be in the wrong position.

USA Acom 2000A units are the same as in any other region - no difference.

73,

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On Behalf Of cimarostif
Sent: Wednesday, December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5276. Re: R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-28 18:29:03 UTC
From: K0DAN
Topic: 5267 Message: 5276

As previously reported by others, in the USA there is a 200W PEP limitation on 30M operation, so use of the ACOM is kind of a moot point.

However out of curiosity I switched to the dummy load and keyed the ACOM 2000 with about 50W drive and the wattmeter showed full output (~1500W). This is a 1999 vintage ACOM.

Not sure what is legal power limits in your country, but have you tried the TUNE procedure for that band?

73

dan
k0dan

-----Original Message-----
From: ik2typ
Sent: December 28, 2012 10:53 AM
To: acom-list@yahoogroups.com
Subject: R: [acom-list] ACOM 2000A does not work in 30 mt

No, not even with a dummy load, It have been working under a 3 el+40mt Steppir (with not less than SWR 2.5) as My Steppir is not much better in 30, but now it does not work at all only in 30mt.

Sorry Acom does not cover 6 mt band.

IK2TYP Fede

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto di K0DAN
Inviato: mercoled? 26 dicembre 2012 19.26
A: acom-list@yahoogroups.com
Oggetto: Re: [acom-list] ACOM 2000A does not work in 30 mt

Will it work on 30M to dummy load?

-----Original Message-----
From: cimarostif
Sent: December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5277. R: R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-28 20:54:16 UTC
From: ik2typ
Topic: 5267 Message: 5277

The band TUNE procedure is usually automatic, Do I make a manual procedure for that band ? but how can I do it ?

73

Ik2typ

Fede

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto di K0DAN
Inviato: venerdì 28 dicembre 2012 19.29
A: acom-list@yahoogroups.com
Oggetto: Re: R: [acom-list] ACOM 2000A does not work in 30 mt

As previously reported by others, in the USA there is a 200W PEP limitation on 30M operation, so use of the ACOM is kind of a moot point.

However out of curiosity I switched to the dummy load and keyed the ACOM 2000 with about 50W drive and the wattmeter showed full output (~1500W). This is a 1999 vintage ACOM.

Not sure what is legal power limits in your country, but have you tried the TUNE procedure for that band?

73

dan
k0dan

-----Original Message-----
From: ik2typ
Sent: December 28, 2012 10:53 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: R: [acom-list] ACOM 2000A does not work in 30 mt

No, not even with a dummy load, It have been working under a 3 el+40mt Steppir (with not less than SWR 2.5) as My Steppir is not much better in 30, but now it does not work at all only in 30mt.

Sorry Acom does not cover 6 mt band.

IK2TYP Fede

Da: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] Per conto
di K0DAN

Inviato: mercoledì 26 dicembre 2012 19.26
A: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Oggetto: Re: [acom-list] ACOM 2000A does not work in 30 mt

Will it work on 30M to dummy load?

-----Original Message-----
From: cimarostif
Sent: December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
<mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5278. Re: R: R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-28 21:06:19 UTC
From: K0DAN
Topic: 5267 Message: 5278

Since you are only having that problem on 30M it is worth trying the manual tune. It might not be the cause of your problem, but it can't hurt to try it.

Once you "teach the amp the tune parameters for each band, then the procedure is thereafter automatic unless your antenna load/freq/band changes dramatically.

Assuming your 30M antenna is a 50 ohm load, connect the amp to a dummy load and follow the instructions in the manual. This procedure is on page 18 of my manual.

If you don't have a manual, they are available on the archives, or I'll email you a copy.

73

Dan
K0DAN

-----Original Message-----
From: ik2typ
Sent: December 28, 2012 02:54 PM
To: acom-list@yahoogroups.com
Subject: R: R: [acom-list] ACOM 2000A does not work in 30 mt

The band TUNE procedure is usually automatic, Do I make a manual procedure for that band ? but how can I do it ?

73

Ik2typ

Fede

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto di K0DAN
Inviato: venerd? 28 dicembre 2012 19.29
A: acom-list@yahoogroups.com
Oggetto: Re: R: [acom-list] ACOM 2000A does not work in 30 mt

As previously reported by others, in the USA there is a 200W PEP limitation on 30M operation, so use of the ACOM is kind of a moot point.

However out of curiosity I switched to the dummy load and keyed the ACOM 2000 with about 50W drive and the wattmeter showed full output (~1500W). This is a 1999 vintage ACOM.

Not sure what is legal power limits in your country, but have you tried the TUNE procedure for that band?

73

dan
k0dan

-----Original Message-----
From: ik2typ
Sent: December 28, 2012 10:53 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Subject: R: [acom-list] ACOM 2000A does not work in 30 mt

No, not even with a dummy load, It have been working under a 3 el+40mt Steppir (with not less than SWR 2.5) as My Steppir is not much better in 30, but now it does not work at all only in 30mt.

Sorry Acom does not cover 6 mt band.

IK2TYP Fede

Da: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] Per conto
di K0DAN
Inviato: mercoled? 26 dicembre 2012 19.26
A: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
Oggetto: Re: [acom-list] ACOM 2000A does not work in 30 mt

Will it work on 30M to dummy load?

-----Original Message-----
From: cimarostif
Sent: December 26, 2012 10:45 AM
To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> <mailto:acom-list%40yahoogroups.com>
Subject: [acom-list] ACOM 2000A does not work in 30 mt

My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
Neither switching to antenna, Nor autotune, and no warning message on RCU

IK2TYP
Fede

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5279. Re: R: R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-28 21:15:21 UTC
From: bill ny9h
Topic: 5267 Message: 5279

is there a control box like Larry's stepir box
which could be disabling the amp line..for 30 meteres

sri if i missed this >>>did you put a dummy load
on the radio to check pwr there??

bill

At 04:06 PM 12/28/2012, you wrote:
>Since you are only having that problem on 30M it is worth trying the manual
>tune. It might not be the cause of your problem, but it can't hurt to try
>it.
>
>Once you "teach the amp the tune parameters for each band, then the
>procedure is thereafter automatic unless your antenna load/freq/band changes
>dramatically.
>
>Assuming your 30M antenna is a 50 ohm load, connect the amp to a dummy load
>and follow the instructions in the manual. This procedure is on page 18 of
>my manual.
>
>If you don't have a manual, they are available on the archives, or I'll
>email you a copy.
>
>73
>
>Dan
>K0DAN
>
>-----Original Message-----
>From: ik2typ
>Sent: December 28, 2012 02:54 PM
>To: acom-list@yahoogroups.com
>Subject: R: R: [acom-list] ACOM 2000A does not work in 30 mt
>
>The band TUNE procedure is usually automatic, Do I make a manual procedure
>for that band ? but how can I do it ?
>
>73
>
>Ik2typ
>
>Fede
>
>
>

>Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto
>di K0DAN
>Inviato: venerdì 28 dicembre 2012 19.29
>A: acom-list@yahoogroups.com
>Oggetto: Re: R: [acom-list] ACOM 2000A does not work in 30 mt
>
>
>
>
>
>As previously reported by others, in the USA there is a 200W PEP limitation
>on 30M operation, so use of the ACOM is kind of a moot point.
>
>However out of curiosity I switched to the dummy load and keyed the ACOM
>2000 with about 50W drive and the wattmeter showed full output (~1500W).
>This is a 1999 vintage ACOM.
>
>Not sure what is legal power limits in your country, but have you tried the
>TUNE procedure for that band?
>
>73
>
>dan
>k0dan
>
>-----Original Message-----
>From: ik2typ
>Sent: December 28, 2012 10:53 AM
>To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>Subject: R: [acom-list] ACOM 2000A does not work in 30 mt
>
>No, not even with a dummy load, It have been working under a 3 el+40mt
>Steppir (with not less than SWR 2.5) as My Steppir is not much better in 30,
>but now it does not work at all only in 30mt.
>
>Sorry Acom does not cover 6 mt band.
>
>IK2TYP Fede
>
>Da: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] Per
>conto
>di K0DAN
>Inviato: mercoledì 26 dicembre 2012 19.26
>A: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
>Oggetto: Re: [acom-list] ACOM 2000A does not work in 30 mt
>
>Will it work on 30M to dummy load?
>
>-----Original Message-----

>From: cimarostif
>Sent: December 26, 2012 10:45 AM
>To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
><mailto:acom-list%40yahoogroups.com>
>Subject: [acom-list] ACOM 2000A does not work in 30 mt
>
>My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
>Neither switching to antenna, Nor autotune, and no warning message on RCU
>
>IK2TYP
>Fede
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5280. ACOM 2000A, 30m problem, back to basics

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-29 19:18:55 UTC
From: Norman
Topic: 5267 Message: 5280

Lots of ideas and suggestions but there are some basic steps that can be taken to localize the problem.
1-First determine if the 7800 is putting out power on the 30m band AND on the proper antenna output connection.
===> The comments below suggest that the 7800 is transmitting okay.
-2 Do you have a separate Watt meter that can be connected to the ACOM output? If so hook that up and set pwr level to 200w or so.

3-Then check that that the IC 7800 pwr output can be read on that meter with the ACOM in Standby. If so, the connections are correct.

Although the ACOM is auto tune, and metering not readily visible, input power, grid drive, Plate Current and Output power are available via TCU menu. So just follow the steps one would do if this were a manual tune amplifier. I would first check the characteristics of the amp on a band that is working, 40m would be my choice, then follow this procedure:

-slowly advance the drive (pwr control on 7800) and watch the Grid Current, it should rise with just a few watts at most. If that goes up, then check the plate current, it should also increase, and some Pwr Output should be indicated on the watt meter. Set the 7800 drive for at least 100w output on the external meter, also check the internal meter RF output reading. Note the Grid Drive and Plate current.

Then change bands, to 30m, and go through the same procedure. Note the 7800 drive power, the 2000A grid current, and Plate current and the resulting output power. If the grid current rises, then drive is being applied, and if plate current rises one can assume the band switch connections are not defective. Power out put should also be read both externally and internally and be similar to the 40m readings. If none of the above happens I would suspect some fault in the band switch connections. If the grid drive goes up and plate current changes, but not in the linear way it does on 40m and Po is not seen I would then follow the procedure for MANUAL tuning as one would do with a old fashion manual tune amp. Adjust the plate looking for a DIP in current, and rise in output power. If power out is achieved, but with a gross change in the settings I would be concerned that there is still a band switch connection problem.

Hope this helps - it is what I would do on my 2000A if similar issue occurred.

Norm W4QN

==========

--- In acom-list@...m, "ik2typ" <ik2typ@...> wrote:
>
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> reads the right frequency.
>
> If I overdrive the Amp, at some point the RCU drive LED lights. But forward
> power LED bar graph remain off, and no power goes to the antenna.

>
>
>
> 73
>
> Ik2typ
>
> Fede
>
>
>
> Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto
> di Bob Naumann
> Inviato: giovedì 27 dicembre 2012 15.10
> A: acom-list@yahoogroups.com
> Oggetto: RE: [acom-list] ACOM 2000A does not work in 30 mt
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> Some radios (like Icom) have the antenna 1/2 switch and it could be in the
> wrong position.
>
> USA Acom 2000A units are the same as in any other region - no difference.
>
> 73,
>
> Bob W5OV
> Array Solutions
> Acom Distributor North America
>
> -----Original Message-----
> From: acom-list@...m <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] On
> Behalf
> Of cimarostif
> Sent: Wednesday, December 26, 2012 10:45 AM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] ACOM 2000A does not work in 30 mt
>
> My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
> Neither switching to antenna, Nor autotune, and no warning message on RCU
>
> IK2TYP
> Fede

>
> ------------------------------------
>
> Yahoo! Groups Links
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>
> [Non-text portions of this message have been removed]
>

5281. Re: R: [acom-list] ACOM 2000A does not work in 30 mt

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-30 09:24:55 UTC
From: Tim Hague
Topic: 5267 Message: 5281

I know that Acom produce a mod kit for 60M operation for the 1000, but power limits really don't warrant it. We in the UK will be limited to 100W erp from Jan 1st

Best regards, Tim Hague
Skype m0afj.Tim
Sent on my iPad

On 28 Dec 2012, at 18:29, "K0DAN" <k0dan@...> wrote:

> As previously reported by others, in the USA there is a 200W PEP limitation
> on 30M operation, so use of the ACOM is kind of a moot point.
>
> However out of curiosity I switched to the dummy load and keyed the ACOM
> 2000 with about 50W drive and the wattmeter showed full output (~1500W).
> This is a 1999 vintage ACOM.
>
> Not sure what is legal power limits in your country, but have you tried the
> TUNE procedure for that band?
>
> 73
>
> dan
> k0dan
>
> -----Original Message-----
> From: ik2typ
> Sent: December 28, 2012 10:53 AM
> To: acom-list@yahoogroups.com
> Subject: R: [acom-list] ACOM 2000A does not work in 30 mt
>
> No, not even with a dummy load, It have been working under a 3 el+40mt
> Steppir (with not less than SWR 2.5) as My Steppir is not much better in 30,
> but now it does not work at all only in 30mt.
>
> Sorry Acom does not cover 6 mt band.
>
> IK2TYP Fede
>
> Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto
> di K0DAN
> Inviato: mercoledì 26 dicembre 2012 19.26
> A: acom-list@yahoogroups.com
> Oggetto: Re: [acom-list] ACOM 2000A does not work in 30 mt
>
> Will it work on 30M to dummy load?
>

> -----Original Message-----
> From: cimarostif
> Sent: December 26, 2012 10:45 AM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] ACOM 2000A does not work in 30 mt
>
> My ACOM 2000 still work very wellfrom 160 to 6 mt but not in 30 mt.
> Neither switching to antenna, Nor autotune, and no warning message on RCU
>
> IK2TYP
> Fede
>
> ------------------------------------
>
> Yahoo! Groups Links
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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>

[Non-text portions of this message have been removed]

5282. R: [acom-list] ACOM 2000A, 30m problem, back to basics

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-30 12:21:28 UTC
From: ik2typ
Topic: 5267 Message: 5282

Hi Norm

I followed the procedure you suggested connecting a dummy load to Amp RF out, before in 40 and after in 30mt where I recognized that i-plate raised too much just with a bit driving RF (due to a not matching load). So I went into the Auto tune Submenu and made an USR-tunings procedure in the 10.100 ☐ 10.200 frequency segment and so that problem went by.

Still I don☐t know why the former matching data about this segment went lost, but now everything runs perfectly from 160 to 10 mt.

I can only wish an happy new year 2013 to everybody

73 de

Ik2typ

Fede

Da: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] Per conto di Norman
Inviato: sabato 29 dicembre 2012 20.19
A: acom-list@yahoogroups.com
Oggetto: [acom-list] ACOM 2000A, 30m problem, back to basics

Lots of ideas and suggestions but there are some basic steps that can be taken to localize the problem.
1-First determine if the 7800 is putting out power on the 30m band AND on the proper antenna output connection.
===> The comments below suggest that the 7800 is transmitting okay.
-2 Do you have a separate Watt meter that can be connected to the ACOM output? If so hook that up and set pwr level to 200w or so.

3-Then check that that the IC 7800 pwr output can be read on that meter with the ACOM in Standby. If so, the connections are correct.

Although the ACOM is auto tune, and metering not readily visible, input power, grid drive, Plate Current and Output power are available via TCU menu. So just follow the steps one would do if this were a manual tune amplifier. I would first check the characteristics of the amp on a band that is working, 40m would be my choice, then follow this procedure:

-slowly advance the drive (pwr control on 7800) and watch the Grid Current, it should rise with just a few watts at most. If that goes up, then check the plate current, it should also increase, and some Pwr Output should be indicated on the watt meter. Set the 7800 drive for at least 100w output on the external meter, also check the internal meter RF output reading. Note

the Grid Drive and Plate current.

Then change bands, to 30m, and go through the same procedure. Note the 7800 drive power, the 2000A grid current, and Plate current and the resulting output power. If the grid current rises, then drive is being applied, and if plate current rises one can assume the band switch connections are not defective. Power out put should also be read both externally and internally and be similar to the 40m readings. If none of the above happens I would suspect some fault in the band switch connections. If the grid drive goes up and plate current changes, but not in the linear way it does on 40m and Po is not seen I would then follow the procedure for MANUAL tuning as one would do with a old fashion manual tune amp. Adjust the plate looking for a DIP in current, and rise in output power. If power out is achieved, but with a gross change in the settings I would be concerned that there is still a band switch connection problem.

Hope this helps - it is what I would do on my 2000A if similar issue occurred.

Norm W4QN

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> di Bob Naumann
> Inviato: giovedì 27 dicembre 2012 15.10
> A: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
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> Behalf
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> Subject: [acom-list] ACOM 2000A does not work in 30 mt
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> Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5283. Re: R: [acom-list] ACOM 2000A, 30m problem, back to basics

Yahoo group: acom-list (2010 — 2016)
Date: 2012-12-30 12:27:35 UTC
From: Callum The Web Man
Topic: 5267 Message: 5283

Good work Fede! Happy new year.

Callum McCormick
Founder
-barclayjames.co.uk

I'm on iPhone, message might be short.

On 30 Dec 2012, at 12:21, "ik2typ" <ik2typ@...> wrote:

Hi Norm

I followed the procedure you suggested connecting a dummy load to Amp RF out, before in 40 and after in 30mt where I recognized that i-plate raised too much just with a bit driving RF (due to a not matching load). So I went into the Auto tune Submenu and made an USR-tunings procedure in the 10.100 – 10.200 frequency segment and so that problem went by.

Still I don’t know why the former matching data about this segment went lost, but now everything runs perfectly from 160 to 10 mt.

I can only wish an happy new year 2013 to everybody

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Fede

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Inviato: sabato 29 dicembre 2012 20.19
A: acom-list@yahoogroups.com
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Hope this helps - it is what I would do on my 2000A if similar issue occurred.

Norm W4QN

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> Ik2typ
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[mailto:acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>] Per
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> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5284. GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 05:10:12 UTC
From: krishna kumar
Topic: 5284 Message: 5284

Howdie,
 I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B.
 i see that on peak tune up, the amp puts out a little over 800w per the Daiwa,
but the display on the Amp shows just a tad bit over 1000w. This is observed
 on 20m, 15m bands. Have not tried the other bands as yet.

With a plate dissipation of 800w from the 4CX800/GU74B, is one supposed to
expect 1000w PEP or Carrier keydown like is mentioned in the manual?

what is everyone else getting on the Acom 1000 as seen with an external watt meter?

May be i need a new tube? Age of the tube in the amp is unknown.

The amp is on 240V. The amp is so quiet as compared to my TL-922.

73s
krish
w4vku

[Non-text portions of this message have been removed]

5285. RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 11:34:36 UTC
From: Bob Naumann
Topic: 5284 Message: 5285

Krish,

I strongly suspect that your Daiwa wattmeter is not accurate.

Yes, the Acom 1000 typically will put out 1 kW and it will exceed that amount if you push it a little harder.

Pushing it harder is NOT recommended as it will shorten the life of the tube.

73,

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of krishna kumar
Sent: Tuesday, January 01, 2013 11:10 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] GU74B plate dissipation and Acom 1000 power output

Howdie,
 I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B.
 i see that on peak tune up, the amp puts out a little over 800w per the Daiwa,
but the display on the Amp shows just a tad bit over 1000w. This is observed
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The amp is on 240V. The amp is so quiet as compared to my TL-922.

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krish
w4vku

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5286. Re: [acom-list] GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 12:19:12 UTC
From: kg4lru@aol.com
Topic: 5284 Message: 5286

you will need a peak reading watt meter My 1000 show 1100 watts on 75
meters 1000 watts on 10, I am sure if check the specs on your meter it
doesn't show peak reading. I am using a Alpha 4520 and array- solutions meters
their within 20 watts of each of each other.

Phil ai4dq

In a message dated 1/2/2013 12:10:32 A.M. Eastern Standard Time,
w4vku@... writes:

Howdie,
I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B.
i see that on peak tune up, the amp puts out a little over 800w per the
Daiwa,
but the display on the Amp shows just a tad bit over 1000w. This is
observed
on 20m, 15m bands. Have not tried the other bands as yet.

With a plate dissipation of 800w from the 4CX800/GU74B, is one supposed to
expect 1000w PEP or Carrier keydown like is mentioned in the manual?

what is everyone else getting on the Acom 1000 as seen with an external
watt meter?

May be i need a new tube? Age of the tube in the amp is unknown.

The amp is on 240V. The amp is so quiet as compared to my TL-922.

73s
krish
w4vku

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5287. RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 13:43:37 UTC
From: Kees - pa7two
Topic: 5284 Message: 5287

Hi Krishna,

Some example data from one out many Acom 1000 units I repaired / measured:

****

PA7TWO 11-11-2005 16.39 GMT ACOM 1000

Spinner 1KW Dummy-load
50 ohm.

Transformer taps set
on 230 volt.

A/C Main in house 221
volt, under load 219 volt

Freq: Input: Output: Tune: Load:

1.830MHz 60watt 968watt 76 74

3.600MHz 60watt 903watt 48 69

7.020MHz 60watt 850watt 61 73

10.140MHz 60watt 850watt 20 28

14.040MHz 60watt 924watt 51 28

18.100MHz 60watt 913watt 83 73

21.040MHz 60watt 903watt 35 52

24.950MHz 60watt 861watt 82 64

28.110MHz 60watt 913watt 45 47

Measured at 28.500
MHz:

Plate Current: 600ma

Plate RF Peak: 2112volt

DC Power Input: 1340watt

High Voltage: 2624volt

SWR 1.0

Reflected power 0

Forward power 913 watt

Exh Air 34C

Screen Current 31ma

RF Power Gain 12.0 db

****

In general one can say that these values as stated above are 'average' values. Your tube is designed for about 750-800 Watt output, depending on the specifications brochure version from Svetlana. An Acom 1000 can certainly RF peak above 1000 Watt when using in example CW code. However, running the tube above 800 Watt is simply asking for trouble. Also the GU74B tube RF output over time does wear-out slightly, especially when the amp has been used with possible maximum output. Furthermore, digital modes are "killing" for these amp when used with high RF output levels anyway. The values mentioned above are with a fresh 24 Hours burned-in GU74B tube and key-down.

So, if your Daiwa power meter is metering at the low end, or the GU74B tube has been used hard, your measured values are as they expected to be.

What is the RF input power you used?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Wed, 2 Jan 2013 05:34:36 -0600
Subject: RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Krish,

I strongly suspect that your Daiwa wattmeter is not accurate.

Yes, the Acom 1000 typically will put out 1 kW and it will exceed that

amount if you push it a little harder.

Pushing it harder is NOT recommended as it will shorten the life of the

tube.

73,

Bob W5OV

Array Solutions

Acom Distributor North America

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of krishna kumar

Sent: Tuesday, January 01, 2013 11:10 PM

To: acom-list@yahoogroups.com

Subject: [acom-list] GU74B plate dissipation and Acom 1000 power output

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The amp is on 240V. The amp is so quiet as compared to my TL-922.

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krish

w4vku

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Yahoo! Groups Links

[Non-text portions of this message have been removed]

5288. Re: [acom-list] GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 15:26:27 UTC
From: krishna kumar
Topic: 5284 Message: 5288

Thank you Kees,
The data is very convincing and i will go ahead and pick up a replacement tube for a spare and try it out.

I drive it with about 57 to 60watts and i know that it has saturated, since any additional drive does not
increase the output even with an attempt to peak the output (tune/load). So i back off the overdrive attempt.

On 17m, the Tune/Load settings that i observed for Max output is inline with your data and is
contrary to what the manual states, which is 61-63 for Tune and 54-52 for Load.

thanks again & 73s
krish
w4vku

From: Kees - pa7two <pa7two@...>
To: ACOM Reflector site <acom-list@yahoogroups.com>; w4vku@yahoo.com
Sent: Wednesday, January 2, 2013 8:43 AM
Subject: RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Hi Krishna, Some example data from one out many Acom 1000 units I repaired / measured:**********
PA7TWO 11-11-2005 16.39 GMT ACOM 1000

Spinner 1KW Dummy-load 50 ohm.

Transformer taps set on 230 volt.

A/C Main in house 221 volt, under load 219 volt

Freq:	Input:	Output:	Tune:	Load:
1.830MHz	60watt	968watt	76	74
3.600MHz	60watt	903watt	48	69
7.020MHz	60watt	850watt	61	73
10.140MHz	60watt	850watt	20	28
14.040MHz	60watt	924watt	51	28
18.100MHz	60watt	913watt	83	73
21.040MHz	60watt	903watt	35	52
24.950MHz	60watt	861watt	82	64
28.110MHz	60watt	913watt	45	47

Measured at 28.500 MHz:

Plate Current: 600ma
Plate RF Peak: 2112volt

DC Power Input: 1340watt
High Voltage: 2624volt
SWR   1.0
Reflected power   0
Forward power   913 watt
Exh Air   34C
Screen Current   31ma
RF Power Gain   12.0 db**********In general one can say that these values as stated above are 'average' values. Your tube is designed for about 750-800 Watt output, depending on the specifications brochure version from Svetlana. An Acom 1000 can certainly RF peak above 1000 Watt when using in example CW code. However, running the tube above 800 Watt is simply asking for trouble. Also the GU74B tube RF output over time does wear-out slightly, especially when the amp has been used with possible maximum output. Furthermore, digital modes are "killing" for these amp when used with high RF output levels anyway. The values mentioned above are with a fresh 24 Hours burned-in GU74B tube and key-down.So, if your Daiwa power meter is metering at the low end, or the GU74B tube has been used hard, your measured values are as they expected to be. What is the RF input power you used?Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.comFrom: W5OV@...: Wed, 2 Jan 2013 05:34:36 -0600Subject: RE: [acom-list] GU74B plate dissipation and Acom 1000 power output
Krish,I strongly suspect that your Daiwa wattmeter is not accurate.Yes, the Acom 1000 typically will put out 1 kW and it will exceed thatamount if you push it a little harder.Pushing it harder is NOT recommended as it will shorten the life of thetube.73,Bob W5OVArray SolutionsAcom Distributor North America-----Original Message-----From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On BehalfOf krishna kumarSent: Tuesday, January 01, 2013 11:10 PMTo: mailto:acom-list%40yahoogroups.comSubject: [acom-list] GU74B plate dissipation and Acom 1000 power outputHowdie, I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B. i see that on peak tune up, the amp puts out a little over 800w per theDaiwa,but the display on the Amp shows just a tad bit over 1000w. This is observed on 20m, 15m bands. Have not tried the other bands as yet. With a plate dissipation of 800w from the 4CX800/GU74B, is one supposed toexpect 1000w
PEP or Carrier keydown like is mentioned in the manual? what is everyone else getting on the Acom 1000 as seen with an external wattmeter? May be i need a new tube? Age of the tube in the amp is unknown. The amp is on 240V. The amp is so quiet as compared to my TL-922. 73skrishw4vku[Non-text portions of this message have been removed]----------Yahoo! Groups Links

[Non-text portions of this message have been removed]

5289. RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 16:16:36 UTC
From: Kees - pa7two
Topic: 5284 Message: 5289

Hi Krishna,

You are welcome.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 2 Jan 2013 07:26:27 -0800
From: w4vku@...
Subject: Re: [acom-list] GU74B plate dissipation and Acom 1000 power output
To: pa7two@...; acom-list@yahoogroups.com

Thank you Kees,
The data is very convincing and i will go ahead and pick up a replacement tube for a spare and try it out.

I drive it with about 57 to 60watts and i know that it has saturated, since any additional drive does not
increase the output even with an attempt to peak the output (tune/load). So i back off the overdrive attempt.

On 17m, the Tune/Load settings that i observed for Max output is inline with your data and is
contrary to what the manual states, which is 61-63 for Tune and 54-52 for Load.

thanks again & 73s
krish
w4vku

From: Kees - pa7two <pa7two@...>
To: ACOM Reflector site <acom-list@yahoogroups.com>; w4vku@...
Sent: Wednesday, January 2, 2013 8:43 AM
Subject: RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Hi Krishna, Some example data from one out many Acom 1000 units I repaired / measured:**********
PA7TWO 11-11-2005 16.39 GMT ACOM 1000

Spinner 1KW Dummy-load 50 ohm.

Transformer taps set on 230 volt.

A/C Main in house 221 volt, under load 219 volt

Freq: Input: Output: Tune: Load:

1.830MHz 60watt 968watt 76 74
3.600MHz 60watt 903watt 48 69
7.020MHz 60watt 850watt 61 73
10.140MHz 60watt 850watt 20 28
14.040MHz 60watt 924watt 51 28
18.100MHz 60watt 913watt 83 73
21.040MHz 60watt 903watt 35 52
24.950MHz 60watt 861watt 82 64
28.110MHz 60watt 913watt 45 47

Measured at 28.500 MHz:

Plate Current: 600ma
Plate RF Peak: 2112volt
DC Power Input: 1340watt
High Voltage: 2624volt
SWR 1.0
Reflected power 0
Forward power 913 watt
Exh Air 34C
Screen Current 31ma
RF Power Gain 12.0 db**********In general one can say that these values as stated above are 'average' values. Your tube is designed for about 750-800 Watt output, depending on the specifications brochure version from Svetlana. An Acom 1000 can certainly RF peak above 1000 Watt when using in example CW code. However, running the tube above 800 Watt is simply asking for trouble. Also the GU74B tube RF output over time does wear-out slightly, especially when the amp has been used with possible maximum output. Furthermore, digital modes are "killing" for these amp when used with high RF output levels anyway. The values mentioned above are with a fresh 24 Hours burned-in GU74B tube and key-down.So, if your Daiwa power meter is metering at the low end, or the GU74B tube has been used hard, your
measured values are as they expected to be. What is the RF input power you used?Vy 73, de Kees - PA7TWO - M5TWODX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.comFrom: W5OV@w5ov.comDate: Wed, 2 Jan 2013 05:34:36 -0600Subject: RE: [acom-list] GU74B plate dissipation and Acom 1000 power output

Krish,I strongly suspect that your Daiwa wattmeter is not accurate.Yes, the Acom 1000 typically will put out 1 kW and it will exceed thatamount if you push it a little harder.Pushing it harder is NOT recommended as it will shorten the life of thetube.73,Bob W5OVArray SolutionsAcom Distributor North America-----Original Message-----From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On BehalfOf krishna kumarSent: Tuesday, January 01, 2013 11:10 PMTo: mailto:acom-list%40yahoogroups.comSubject: [acom-list] GU74B plate dissipation and Acom 1000 power outputHowdie, I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B. i see that on peak tune up, the amp puts out a little over 800w per theDaiwa,but the display on the Amp shows just a tad bit over 1000w. This is observed on 20m, 15m bands. Have not tried the other bands as yet. With a plate dissipation of 800w from the 4CX800/GU74B, is one supposed toexpect 1000w PEP or Carrier keydown like is mentioned in the manual? what is everyone else getting on the Acom 1000 as seen with an external wattmeter? May be i need a

new tube? Age of the tube in the amp is unknown. The amp is on 240V. The amp is so quiet as compared to my
TL-922. 73skrishw4vku[Non-text portions of this message have been
removed]----------Yahoo! Groups Links

[Non-text portions of this message have been removed]

5290. Re: GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 18:30:56 UTC
From: Ger
Topic: 5284 Message: 5290

With a BIRD 43 with PEP module installed, my ACOM 1000 delivers over 1000 Watts key-down on all bands. Input depends a bit on what band but around 60-65 watts input delivers 1000 watts out. You should see around 12.5 dB gain with 60 Watts in on each band. Except 50 Mhz: the gain on 50 Mhz must be around 13.5 dB. The gain can be read on the display of the Acom. Also you should see > 2700V anode voltage.
PEP read-out can be over 1200W but this should be avoided all time as the GU74B will not have a long live. Keep output a bit less then 900 Watt max in SSB and the tube should be OK for years.

GL and happy new year, Ger PE1CZG

--- In acom-list@yahoogroups.com, krishna kumar <w4vku@...> wrote:
>
> Howdie,
> I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B.
> i see that on peak tune up, the amp puts out a little over 800w per the Daiwa,
> but the display on the Amp shows just a tad bit over 1000w. This is observed
> on 20m, 15m bands. Have not tried the other bands as yet.
>
> With a plate dissipation of 800w from the 4CX800/GU74B, is one supposed to
> expect 1000w PEP or Carrier keydown like is mentioned in the manual?
>
> what is everyone else getting on the Acom 1000 as seen with an external watt meter?
>
> May be i need a new tube? Age of the tube in the amp is unknown.
>
> The amp is on 240V. The amp is so quiet as compared to my TL-922.
>
> 73s
> krish
> w4vku
>
> [Non-text portions of this message have been removed]
>

5291. Re: [acom-list] GU74B plate dissipation and Acom 1000 power output

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-02 23:14:40 UTC
From: krishna kumar
Topic: 5284 Message: 5291

Thanks Phil,
 I have the Acom on 240v and only have a single 240v outlet here(normally used for the Alpha 9500).
 If i could switch the Acom to 110V, then i can run the Acom through the Alpha 9500 (can handle legal limit in bypass) and use the metering on the alpha, since is it much accurate than the
analog Daiwa meter.

At any rate, it appears that i am in for a spare tube at this point.

Krish

From: "kg4lru@..." <kg4lru@...>
To: acom-list@yahoogroups.com
Sent: Wednesday, January 2, 2013 7:19 AM
Subject: Re: [acom-list] GU74B plate dissipation and Acom 1000 power output

you will need a peak reading watt meter My 1000 show 1100 watts on 75 meters 1000 watts on 10, I am sure if check the specs on your meter it doesn't show peak reading. I am using a Alpha 4520 and array- solutions meters their within 20 watts of each of each other.

Phil ai4dq

In a message dated 1/2/2013 12:10:32 A.M. Eastern Standard Time, mailto:w4vku%40yahoo.com writes:

Howdie,
I am playing with an Acom 1000 and is hooked to a Daiwa cn-720B.
i see that on peak tune up, the amp puts out a little over 800w per the Daiwa,
but the display on the Amp shows just a tad bit over 1000w. This is observed
on 20m, 15m bands. Have not tried the other bands as yet.

With a plate dissipation of 800w from the 4CX800/GU74B, is one supposed to expect 1000w PEP or Carrier keydown like is mentioned in the manual?

what is everyone else getting on the Acom 1000 as seen with an external watt meter?

May be i need a new tube? Age of the tube in the amp is unknown.

The amp is on 240V. The amp is so quiet as compared to my TL-922.

73s
krish
w4vku

[Non-text portions of this message have been removed]

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5292. 2000A New RCU ICOM problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-03 22:18:57 UTC
From: Ralph
Topic: 5292 Message: 5292

Happy New Year to all,
I installed the new RCU to my 2000A today. I am using an IC-7700 with Micro-ham Digi-Keyer II along with the 2000A all 3 into a ICOM CT-17 4 port C-IV box. All works fine when first using it but after a 5 or so minutes the 2000A starts to either hop around bands and/or band segments by itself. This is not transmitting, just sitting not touching anything. With or without a logging program running. Worse with a logging program, I assume due to the polling.
The wiring diagram for the C-IV to the RCU COM connector shows 2 470 ohm resistors, one in each pin of RX/TX. It almost looks like the voltage drop across those 2 resistors is increasing as they, or the RCU as it heats up is affecting the frequency decoding. It works for a while then after 5 - 10 minutes sort of goes nuts. I just did a switch from 40 to 20 meters, it took the RCU 18 seconds to make the move. And, it just hopped to 15.000-15.100 Mhz by itself. All have been on about a half hour
Any ICOM users seen this phenomenon?

Ralph W1ZK

5293. 2000A New RCU ICOM problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-04 00:14:06 UTC
From: D G
Topic: 5292 Message: 5293

Hello Ralph, I had the same problem with my Yaesu FTdx9000D and making a custom CAT cable (none was available from the reseller yet).
After the "hopping around", the CAT RCU stopped even tracking altogether, it doesn't track at all now.
The problem is not specifically around ICOMs.

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: joebrown1@...
Date: Thu, 3 Jan 2013 22:18:57 +0000
Subject: [acom-list] 2000A New RCU ICOM problem

Happy New Year to all,
I installed the new RCU to my 2000A today. I am using an IC-7700 with Micro-ham Digi-Keyer II along with the 2000A all 3 into a ICOM CT-17 4 port C-IV box. All works fine when first using it but after a 5 or so minutes the 2000A starts to either hop around bands and/or band segments by itself. This is not transmitting, just sitting not touching anything. With or without a logging program running. Worse with a logging program, I assume due to the polling.
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Any ICOM users seen this phenomenon?

Ralph W1ZK

[Non-text portions of this message have been removed]

5294. Re: 2000A New RCU ICOM problem, update

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-05 16:35:34 UTC
From: Ralph
Topic: 5294 Message: 5294

Dennis,
I am be getting somewhere with the ICOM. Val LZ1VB at ACOM told me the new RCU, in the case of ICOM, is designed to plug directly into the CI-V jack on ICOM radios. When I did that it worked perfectly. But, I can't use the Microham DK-II for logging & FSK.
I am going to play with the values of the two resistors in the cable I built for the new RCU. When it is plugged into the CT-17 4 port box the signal the RCU sees has to be on the edge at or lower than the +/- 3 volt low voltage standard for RS-232 serial devices.
73's,
Ralph W1ZK

--- In acom-list@yahoogroups.com, D G wrote:
>
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>
> 73,
>
> Dennis
> N3DG
>
>
>
>
>
> To: acom-list@yahoogroups.com
> From: joebrown1@...
> Date: Thu, 3 Jan 2013 22:18:57 +0000
> Subject: [acom-list] 2000A New RCU ICOM problem
>
>
>
>
>
>
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>
> Ralph W1ZK
>
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> [Non-text portions of this message have been removed]
>

5295. Re: 2000A New RCU ICOM problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-05 17:48:45 UTC
From: Philippe ON4VP
Topic: 5292 Message: 5295

Hello,

I have the same setup, the IC-7700 + MKII + RCU.
I have the CAT cable (home made) connected to the MKII cat (remote).
I have no problems whatsoever.

73, Phil ON4VP

[Non-text portions of this message have been removed]

5296. Re: [acom-list] Re: 2000A New RCU ICOM problem, update

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-05 19:42:24 UTC
From: Mel Whitten
Topic: 5294 Message: 5296

Ralph,
If you have an older model, you may want to check/replace the charge pump eletrolytics in the CT-17. They have been known to go bad and cause some probs.. I had to do that with mine. A home brew ct-17 found here with detailed circuit description may prove worth the read.

http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/CIVInterface.htm

Mel

----- Original Message -----
From: Ralph
To: acom-list@yahoogroups.com
Sent: Saturday, January 05, 2013 10:35 AM
Subject: [acom-list] Re: 2000A New RCU ICOM problem, update

Dennis,
I am be getting somewhere with the ICOM. Val LZ1VB at ACOM told me the new RCU, in the case of ICOM, is designed to plug directly into the CI-V jack on ICOM radios. When I did that it worked perfectly. But, I can't use the Microham DK-II for logging & FSK.
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73's,
Ralph W1ZK

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> The problem is not specifically around ICOMs.
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> 73,
>
> Dennis
> N3DG
>
>
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>
>
> To: acom-list@yahoogroups.com
> From: joebrown1@...

> Date: Thu, 3 Jan 2013 22:18:57 +0000
> Subject: [acom-list] 2000A New RCU ICOM problem
>
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> Any ICOM users seen this phenomenon?
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> Ralph W1ZK
>
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>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5297. new rcu impressions?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-05 22:01:55 UTC
From: myles
Topic: 5297 Message: 5297

hi

Would like to hear some impressions from those that have the Acom2000a w/the new RCU

thanks
N2EHG

5298. Re: [acom-list] new rcu impressions?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-05 23:00:40 UTC
From: Joel Kornreich
Topic: 5297 Message: 5298

Yes.....K2QBV

On Sat, Jan 5, 2013 at 5:01 PM, myles <photo2000a@...> wrote:

> **
>
>
> hi
>
> Would like to hear some impressions from those that have the Acom2000a
> w/the new RCU
>
> thanks
> N2EHG
>
>
>

[Non-text portions of this message have been removed]

5299. New RCU with my old 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-07 00:49:39 UTC
From: hsl@sbcglobal.net
Topic: 5299 Message: 5299

I replaced the old RCU - it had problems, and am very happy with how the new RCU plugged right in.

I am using a K3 but not using CAT.

The only comment I have at this point is that the forward power meter in the RCU has a peak indicator, but the reflected power meter does not appear to have one. It would be most useful there.

Harvey, W8DX

5300. new RCU impression

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-10 04:44:41 UTC
From: myles
Topic: 5300 Message: 5300

hi

Been playing around with the new Acom2000a w/the new RCU. First impressions, Really a fantastic unit.

Had the Acom1000 and it works great, wanted to give auto tune a try, hard to believe how fast it tunes very easy to set up, a quiet unit, lots of features can't wait to spend some real time with it.

Worked some good DX with it, still learning some of the new features.

Hoping some others might want to share there thoughts as well....

N2EHG

5301. RCU Impression

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-10 12:55:56 UTC
From: W1JCW
Topic: 5301 Message: 5301

I will never sell my Acom 2K !

It's the best amp on the market and they just recently went up on the price after 15 years. Unlike others who want to much for their amp, along with parts and service.

The speed in tuning and operation is flawless, the reflector is a wealth of knowledge.

I have the old controller and may pick up the new RCU just for the heck of it, after all the amp is going no where.

I'm fortunate in that Array Solutions is 20 min drive from my home so service is no hassle either.

Life is good with an Acom ! Hey that should be on their website, I just came up with the slogan! Lol !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of myles
Sent: Wednesday, January 09, 2013 10:45 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] new RCU impression

Hi

Been playing around with the new Acom2000a w/the new RCU. First impressions, Really a fantastic unit.

Had the Acom1000 and it works great, wanted to give auto tune a try, hard to believe how fast it tunes very easy to set up, a quiet unit, lots of features can't wait to spend some real time with it.

Worked some good DX with it, still learning some of the new features.

Hoping some others might want to share there thoughts as well....

N2EHG

--.-'-

[Non-text portions of this message have been removed]

5302. 2000A - auxiliary fan

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-11 23:56:55 UTC
From: N2TK, Tony
Topic: 5302 Message: 5302

Time to replace the external fan as it is getting noisy. Presently have a Papst 4214GM, 24V, 2.3W.

Easy to find 4214 4.3W.

What is Acom presently using on the 2000A?

Tnx

N2TK, Tony

[Non-text portions of this message have been removed]

5303. New RCU dimensions

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-12 02:12:09 UTC
From: marcelo@...
Topic: 5303 Message: 5303

Hi

Does anyone have the dimensions of the new RCU?

I am building a transport case for my 2000A and would like to have room for it, just in "case"

Marcelo, PY1KN

5304. 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-13 04:17:33 UTC
From: ZL2AAA
Topic: 5304 Message: 5304

Hi Where can I buy a spare vacuum output relay and what type.Tnx Morrie

5305. Re: [acom-list] 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-13 15:58:07 UTC
From: Irwin Darack
Topic: 5304 Message: 5305

Gigavac in California 1-805-684-8401.

You want part # GH1 for Ham

Kd3tb

On Saturday, January 12, 2013, ZL2AAA wrote:

> **
>
>
> Hi Where can I buy a spare vacuum output relay and what type.Tnx Morrie
>
>

--
Irwin KD3TB

[Non-text portions of this message have been removed]

5306. 9000,2000a-new rcu, MKII- auto tune??

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-13 22:36:59 UTC
From: myles
Topic: 5306 Message: 5306

hi

Since the new rcu enables tune activation on the 9000, naturally wanted to try it, but my setup is perhaps a bit 'complicated', however I am convenced not unusual. Thus thought someone might have figured out a way to get the following to work.

My set up : the 9000MP connected to my Mac running MLDX, via the MicroHam MKII.

Not sure how I can add the Acom's serial data in a bidirectional fashion. My first thought was to grab the unused CIV from the MKII however it's unidirectional(would send freq data to the Acom only).

Another suggestion was (if the amp is transparent (is it?)), perhaps simply moving the CAT cable currently connected to the transceiver to the "computer" port
of the amplifier and connect the "radio" port of the amplifier
to the "radio." might work but wonder if anyone has tried it or has some insight to share?

Thanks
N2EHG

5308. RE: [acom-list] 9000,2000a-new rcu, MKII- auto tune??

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-16 13:46:25 UTC
From: Bob Naumann
Topic: 5306 Message: 5308

Myles,

Since you want to continue to use the MKII, I would suggest that you temporarily configure the 2000A RCU to use Yaesu CAT and then go through the USR tuning procedure. To do so, directly connect the DB9 CAT port of the 9000 to the DB15HD CAT port of the 2000A RCU as shown in the manual, and go through the USR tuning process without the MKII or your computer connected.

When you have completed the automated USR tuning process (which the amplifier will retain and use), re-cable the MKII to the 9000MP and change the 2000A back to use the CI-V from the MKII.

The RS-232 port on the amplifier itself is not "standard" nor is it usable as apparently suggested to you. In fact, the manual warns:

C A U T I O N
Do not connect to the connector, marked RS-232 a "standard" cable because this may result in damage in both - amplifier or connected equipment. In order to use the RS-232 interface, a special cable must be prepared. Contact your dealer or see TECHNICAL SUPPLEMENT for details".

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of myles
Sent: Sunday, January 13, 2013 4:37 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 9000,2000a-new rcu, MKII- auto tune??

hi

Since the new rcu enables tune activation on the 9000, naturally wanted to try it, but my setup is perhaps a bit 'complicated', however I am convenced not unusual. Thus thought someone might have figured out a way to get the following to work.

My set up : the 9000MP connected to my Mac running MLDX, via the MicroHam MKII.

Not sure how I can add the Acom's serial data in a bidirectional fashion. My first thought was to grab the unused CIV from the MKII however it's unidirectional(would send freq data to the Acom only).

Another suggestion was (if the amp is transparent (is it?)), perhaps simply moving the CAT cable currently connected to the transceiver to the "computer" port
of the amplifier and connect the "radio" port of the amplifier

to the "radio." might work but wonder if anyone has tried it or has some insight to share?

Thanks
N2EHG

Yahoo! Groups Links

5309. ACOM1011

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-16 07:32:55 UTC
From: Hsu
Topic: 5309 Message: 5309

Hi, I heard that ACOM stop make ACOM1011 due to the Cninee tube quality, is it true?
73!Hsu

[Non-text portions of this message have been removed]

5310. Re: 9000,2000a-new rcu, MKII- auto tune??

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-16 23:18:16 UTC
From: myles
Topic: 5306 Message: 5310

Hi

Thanks very much for the responce, it would seem easier to just push the button on the front pannel to do the initial tuning, vs making a cable and recabling since in this case it would have to be 'temporary vs long term' and naturally wanting to try out the new amp have done so, amp works great.

I fully understood the amp requires a 'special' cable as per the manual, my below was more of a 'how to ' hook it up vs what cable is needed. but it is a very important safety tip so thanks for the heads up.

it seems from what I am able to learn from Joe, who was very kind to share some data with me, that the CIV port is not mirroring the serial ports by default if I understood correctly in order for the civ port to send data it must be commanded to do so via the software I will keep my fingers crossed that these features can be enabled i would hope that I could at least have the freq data sent to the amp

Mean time thou not connected via serial, the amp is truly fantastic the new controller is amazing and overall just a lot of fun!

thanks again for all your great help

--- In acom-list@yahoogroups.com, "Bob Naumann" wrote:
>
> Myles,
>
> Since you want to continue to use the MKII, I would suggest that you
> temporarily configure the 2000A RCU to use Yaesu CAT and then go through the
> USR tuning procedure. To do so, directly connect the DB9 CAT port of the
> 9000 to the DB15HD CAT port of the 2000A RCU as shown in the manual, and go
> through the USR tuning process without the MKII or your computer connected.
>
> When you have completed the automated USR tuning process (which the
> amplifier will retain and use), re-cable the MKII to the 9000MP and change
> the 2000A back to use the CI-V from the MKII.
>
> The RS-232 port on the amplifier itself is not "standard" nor is it usable
> as apparently suggested to you. In fact, the manual warns:
>
> C A U T I O N
> Do not connect to the connector, marked RS-232 a "standard" cable because
> this may result in damage in both - amplifier or connected equipment. In
> order to use the RS-232 interface, a special cable must be prepared. Contact
> your dealer or see TECHNICAL SUPPLEMENT for details".
>
> Bob W5OV

>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of myles
> Sent: Sunday, January 13, 2013 4:37 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] 9000,2000a-new rcu, MKII- auto tune??
>
> hi
>
> Since the new rcu enables tune activation on the 9000, naturally wanted to
> try it, but my setup is perhaps a bit 'complicated', however I am convenced
> not unusual. Thus thought someone might have figured out a way to get the
> following to work.
>
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>
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> My first thought was to grab the unused CIV from the MKII however it's
> unidirectional(would send freq data to the Acom only).
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> Another suggestion was (if the amp is transparent (is it?)), perhaps simply
> moving the CAT cable currently connected to the transceiver to the
> "computer" port
> of the amplifier and connect the "radio" port of the amplifier
> to the "radio." might work but wonder if anyone has tried it or has some
> insight to share?
>
>
> Thanks
> N2EHG
>
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>
> Yahoo! Groups Links
>

5311. Re: [acom-list] ACOM1011

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-16 23:30:49 UTC
From: W5OV@...
Topic: 5309 Message: 5311

Who have you heard this from?

Bob W5OV
Array Solutions
Acom Distributor North America

> Hi, I heard that ACOM stop make ACOM1011 due to the Cninee tube quality,
> is it true?
> 73!Hsu
>
> [Non-text portions of this message have been removed]
>
>
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> ------------------------------------
>
> Yahoo! Groups Links
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>

5312. Re: [acom-list] ACOM1011

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-17 01:08:03 UTC
From: Hsu
Topic: 5309 Message: 5312

I hear that from a Ukrain guy.
I’m not sure it is true.That guy told me it is due to the Chinese 4CX250B’s quality.Just curious.
If it is not true, maybe I have interesting to purchase an amplifier, How much cost including shiping to China?
BTW,someone maybe interested in my brand new NOS 4CX250Bs, I’m selling it in ebay (Item number:271125520293)
.I have over 100 pieces in my stock.

73!Hsu

From: W5OV@...
Sent: Thursday, January 17, 2013 7:30 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM1011

Who have you heard this from?

Bob W5OV
Array Solutions
Acom Distributor North America

> Hi, I heard that ACOM stop make ACOM1011 due to the Cninee tube quality,
> is it true?
> 73!Hsu
>
> [Non-text portions of this message have been removed]
>
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>
> Yahoo! Groups Links
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>

5313. RE: [acom-list] ACOM1011

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-17 12:54:42 UTC
From: Bob Naumann
Topic: 5309 Message: 5313

Unless such an announcement comes from Acom, there is no reason to believe it.

There are lots of rumors all the time about tubes no longer being made - all false!

Someone has been circulating false rumors about the 4CX800 (GU74) not being available for years - not true.

Now, there are rumors about the 4CX2500 (GU84) not being available - also not true.

It seems that whenever a competitor to Alpha Amplifiers is doing well, false rumors about the tubes those other manufacturers use comes mysteriously from somewhere unknown.

de W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Hsu
Sent: Wednesday, January 16, 2013 7:08 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM1011

I hear that from a Ukrain guy.
I’m not sure it is true.That guy told me it is due to the Chinese
4CX250B’s quality.Just curious.
If it is not true, maybe I have interesting to purchase an amplifier, How
much cost including shiping to China?
BTW,someone maybe interested in my brand new NOS 4CX250Bs, I’m selling it
in ebay (Item number:271125520293)
.I have over 100 pieces in my stock.

73!Hsu

From: W5OV@...
Sent: Thursday, January 17, 2013 7:30 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM1011

Who have you heard this from?

Bob W5OV
Array Solutions
Acom Distributor North America

> Hi, I heard that ACOM stop make ACOM1011 due to the Cninee tube quality,
> is it true?
> 73!Hsu
>
> [Non-text portions of this message have been removed]
>

>
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> ---
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> Yahoo! Groups Links
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>

Yahoo! Groups Links

5314. RE: [acom-list] Re: 9000,2000a-new rcu, MKII- auto tune??

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-17 13:03:53 UTC
From: Bob Naumann
Topic: 5306 Message: 5314

Myles,

You only have to do the USR tuning once - unless you make a significant change to your antennas.

The amp will store those tunings and automatically recall them when you go back to that same frequency segment - it's not something you would be doing as a routine on a frequent basis - and these tunings apply regardless of how you have your radio interfaced or what type of radio the amp "thinks" you're using.

This is why I suggested the temporary direct connection as Yaesu to facilitate the easier "push the button" method of doing the USR tuning process. Then, you could have your USR settings and your CI-V solution too.

In most cases, where you have good SWR, you do not need to do the USR tuning process at all. The factory defaults are just fine for most users.

There are some cases where you may have multiple antennas per band, or you have a resonant antenna that may be somewhat "narrow-banded" and there you may want to have special USR tunings set up, but this is not the typical station today.

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of myles
Sent: Wednesday, January 16, 2013 5:18 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: 9000,2000a-new rcu, MKII- auto tune??

Hi

Thanks very much for the responce, it would seem easier to just push the button on the front pannel to do the initial tuning, vs making a cable and recabling since in this case it would have to be 'temporary vs long term' and naturally wanting to try out the new amp have done so, amp works great.

I fully understood the amp requires a 'special' cable as per the manual, my below was more of a 'how to ' hook it up vs what cable is needed. but it is a very important safety tip so thanks for the heads up.

it seems from what I am able to learn from Joe, who was very kind to share some data with me, that the CIV port is not mirroring the serial ports by default if I understood correctly in order for the civ port to send data

it must be commanded to do so via the software I will keep my fingers crossed that these features can be enabled i would hope that I could at least have the freq data sent to the amp

Mean time thou not connected via serial, the amp is truly fantastic the new controller is amazing and overall just a lot of fun!

thanks again for all your great help

--- In acom-list@yahoogroups.com, "Bob Naumann" wrote:
>
> Myles,
>
> Since you want to continue to use the MKII, I would suggest that you
> temporarily configure the 2000A RCU to use Yaesu CAT and then go through the
> USR tuning procedure. To do so, directly connect the DB9 CAT port of the
> 9000 to the DB15HD CAT port of the 2000A RCU as shown in the manual, and go
> through the USR tuning process without the MKII or your computer connected.
>
> When you have completed the automated USR tuning process (which the
> amplifier will retain and use), re-cable the MKII to the 9000MP and change
> the 2000A back to use the CI-V from the MKII.
>
> The RS-232 port on the amplifier itself is not "standard" nor is it usable
> as apparently suggested to you. In fact, the manual warns:
>
> C A U T I O N
> Do not connect to the connector, marked RS-232 a "standard" cable because
> this may result in damage in both - amplifier or connected equipment. In
> order to use the RS-232 interface, a special cable must be prepared. Contact
> your dealer or see TECHNICAL SUPPLEMENT for details".
>
> Bob W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of myles
> Sent: Sunday, January 13, 2013 4:37 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] 9000,2000a-new rcu, MKII- auto tune??
>
> hi
>
> Since the new rcu enables tune activation on the 9000, naturally wanted to
> try it, but my setup is perhaps a bit 'complicated', however I am convenced

> not unusual. Thus thought someone might have figured out a way to get
the
> following to work.
>
> My set up : the 9000MP connected to my Mac running MLDX, via the MicroHam
> MKII.
>
> Not sure how I can add the Acom's serial data in a bidirectional fashion.
> My first thought was to grab the unused CIV from the MKII however it's
> unidirectional(would send freq data to the Acom only).
>
> Another suggestion was (if the amp is transparent (is it?)), perhaps
simply
> moving the CAT cable currently connected to the transceiver to the
> "computer" port
> of the amplifier and connect the "radio" port of the amplifier
> to the "radio." might work but wonder if anyone has tried it or has some
> insight to share?
>
>
> Thanks
> N2EHG
>
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>
> Yahoo! Groups Links
>

Yahoo! Groups Links

5315. [acom-list] FS ACOM acessory Remote ON

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-17 16:47:25 UTC
From: Kjeld Holm
Topic: 5315 Message: 5315

Dear all,

I have for sale a ACOM Accessory Remote ON. This device is on page 14 in the link
<http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf>
http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf

I was inspired by the mail below to buy this device but I now realize that I will not set up a remote rig. Therefore I am selling this device as new.

I am asking 125 EUR including shipping (without insurance).

Please contact me offline at kh@...

Vy de OZ1CCM, Kel

Kjeld Holm

Gyvelbakken 11

DK-4400 Kalundborg

Tel.: (+45) 30 49 39 64

Fax: (+45) 45 82 96 37

e-mail: kh@...

CVR (VAT) 29613443

Homepage: www.kh-translation.dk <http://www.kh-translation.dk/>

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: 23. februar 2012 22:01
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Complete ACOM2000 remote operation with all possible accessories

It's also available for download in the US here:

http://www.arraysolutions.com/Downloads/Acom/ACOM_2000A_Remote.pdf

> Hi!
> I just wanted to say that I have a complete description of a ACOM2000A
> remote operation set-up with all accessories you may need. Works with ADSL
> (500 kbit/s uplink)and with no problems since 3 months. I needed to
> decouple heavy RFI from the set-up (DSL and 160 m are not always
> compatible)and have made a similar description (so far only in swedish).

> This might inspire more to go remote. 73 de Kari SM0HRP
> link:http://dxsupply.com/userfiles/file/ACOM%202000A%20Remote%20Eng(1).pdf
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5316. Re: 9000,2000a-new rcu, MKII- auto tune??

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-18 05:06:56 UTC
From: myles
Topic: 5306 Message: 5316

Thanks again for all the help really appreciate it, and all your excellent tips as always.

I do have multiple antennas , and multi ant per band, but most are nearly perfect swr but some are just a bit outside of the default. I programed it all in manually where needed. Did this cause I didn't want to make 2 cables :).

The flexibility of the amp for multiple antennas, various segments etc it all works so smooth. I am having a lot of fun w/the new amp the controller is really super

I may have a bit of good news seems the programs I am using may in fact command the civ port to send the freq data so when I get the chance I'll make a civ cable and try it out, it 'should work' w/the set up I have , a fun experiment to try and see if it will send the freq data to the amp.

Thanks for the help be happy to post the results.

--- In acom-list@yahoogroups.com, "Bob Naumann" wrote:
>
> Myles,
>
> You only have to do the USR tuning once - unless you make a significant
> change to your antennas.
>
> The amp will store those tunings and automatically recall them when you go
> back to that same frequency segment - it's not something you would be doing
> as a routine on a frequent basis - and these tunings apply regardless of how
> you have your radio interfaced or what type of radio the amp "thinks" you're
> using.
>
> This is why I suggested the temporary direct connection as Yaesu to
> facilitate the easier "push the button" method of doing the USR tuning
> process. Then, you could have your USR settings and your CI-V solution too.
>
> In most cases, where you have good SWR, you do not need to do the USR tuning
> process at all. The factory defaults are just fine for most users.
>
> There are some cases where you may have multiple antennas per band, or you
> have a resonant antenna that may be somewhat "narrow-banded" and there you
> may want to have special USR tunings set up, but this is not the typical
> station today.
>
> 73,
>
> Bob W5OV
>
>

> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of myles
> Sent: Wednesday, January 16, 2013 5:18 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: 9000,2000a-new rcu, MKII- auto tune??
>
> Hi
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> Thanks very much for the responce, it would seem easier to just push the
> button on the front pannel to do the initial tuning, vs making a cable and
> recabling since in this case it would have to be 'temporary vs long term'
> and naturally wanting to try out the new amp have done so, amp works great.
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> I fully understood the amp requires a 'special' cable as per the manual, my
> below was more of a 'how to ' hook it up vs what cable is needed. but it is
> a very important safety tip so thanks for the heads up.
>
> it seems from what I am able to learn from Joe, who was very kind to share
> some data with me, that the CIV port is not mirroring the serial ports by
> default if I understood correctly in order for the civ port to send data
> it must be commanded to do so via the software I will keep my fingers
> crossed that these features can be enabled i would hope that I could at
> least have the freq data sent to the amp
>
> Mean time thou not connected via serial, the amp is truly fantastic the new
> controller is amazing and overall just a lot of fun!
>
> thanks again for all your great help
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> --- In acom-list@yahoogroups.com, "Bob Naumann" wrote:
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> > Myles,
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> > USR tuning procedure. To do so, directly connect the DB9 CAT port of the
> > 9000 to the DB15HD CAT port of the 2000A RCU as shown in the manual, and
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> > through the USR tuning process without the MKII or your computer
> connected.
> >
> > When you have completed the automated USR tuning process (which the
> > amplifier will retain and use), re-cable the MKII to the 9000MP and change
> > the 2000A back to use the CI-V from the MKII.
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> > The RS-232 port on the amplifier itself is not "standard" nor is it usable
> > as apparently suggested to you. In fact, the manual warns:
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> > C A U T I O N
> > Do not connect to the connector, marked RS-232 a "standard" cable because
> > this may result in damage in both - amplifier or connected equipment. In
> > order to use the RS-232 interface, a special cable must be prepared.
> Contact
> > your dealer or see TECHNICAL SUPPLEMENT for details".
> >
> > Bob W5OV
> >
> > -----Original Message-----
> > From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> > Of myles
> > Sent: Sunday, January 13, 2013 4:37 PM
> > To: acom-list@yahoogroups.com
> > Subject: [acom-list] 9000,2000a-new rcu, MKII- auto tune??
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> > hi
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> > not unusual. Thus thought someone might have figured out a way to get
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> > MKII.
> >
> > Not sure how I can add the Acom's serial data in a bidirectional fashion.
> > My first thought was to grab the unused CIV from the MKII however it's
> > unidirectional(would send freq data to the Acom only).
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> > Another suggestion was (if the amp is transparent (is it?)), perhaps
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> > moving the CAT cable currently connected to the transceiver to the
> > "computer" port
> > of the amplifier and connect the "radio" port of the amplifier
> > to the "radio." might work but wonder if anyone has tried it or has some
> > insight to share?
> >
> >
> > Thanks
> > N2EHG
> >
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> > Yahoo! Groups Links

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> Yahoo! Groups Links
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5317. Acom 1000 Acting funny

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-22 22:05:07 UTC
From: Trevor Dunne
Topic: 5309 Message: 5317

Hi all

My 1000 is acting a bit strange, last few times when I turned it on the backlight had reset to off and I had to adjust it up. I also notice when I put the amp in to standby the green LED will flash 2 times and then go out, It never used to do this either.

Anyone have any idea what might be going on.

Thanks
Trevor
EI2GLB

[Non-text portions of this message have been removed]

5318. Acom 2000A Help !

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-27 16:32:03 UTC
From: k2qmf@...
Topic: 5318 Message: 5318

Hello All,

During the CQ 160 Meter CW contest
I had this failure twice...

When changing frequency segments on 160
the amp would fault and shut down.

The readout said "LOAD CAPACITOR SYSTEM MALFUNCTION".

Any info or suggestions on this problem would be very much appreciated...

Many Thanks in Advance for any info.

73,
Ted K2QMF

_____
Woman is 53 But Looks 25
Mom reveals 1 simple wrinkle trick that has angered doctors...
http://thirdpartyoffers.juno.com/TGL3141/510556a6e65de56a62cd8st02vuc

5319. RE: [acom-list] Acom 2000A Help !

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-28 11:50:24 UTC
From: Bob Naumann
Topic: 5318 Message: 5319

Ted,

The thing to do first is to re-do the user tunings on 160 and see if it persists.

You may have a failure in the load cap drive motor.

These are available from Acom and can be replaced.

73,

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of k2qmf@...
Sent: Sunday, January 27, 2013 10:32 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Help !

Hello All,

During the CQ 160 Meter CW contest
I had this failure twice...

When changing frequency segments on 160
the amp would fault and shut down.

The readout said "LOAD CAPACITOR SYSTEM MALFUNCTION".

Any info or suggestions on this problem would be very much appreciated...

Many Thanks in Advance for any info.

73,
Ted K2QMF

Woman is 53 But Looks 25
Mom reveals 1 simple wrinkle trick that has angered doctors...
http://thirdpartyoffers.juno.com/TGL3141/510556a6e65de56a62cd8st02vuc

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Yahoo! Groups Links

5320. Re: Acom 2000A Help !

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-28 15:00:13 UTC
From: g0aix
Topic: 5318 Message: 5320

Mine did something similar except it did it on all bands! Turned out a grub screw on the driven pulley of the load capacitor had fallen out and was quickly replaced - bit fiddly but easy to do. Contacted factory and they told me how to reset the capacitor. They sent instructions and photos so job was straightforward. Since doing this no more error messages!

--- In acom-list@yahoogroups.com, "Bob Naumann" wrote:
>
> Ted,
>
> The thing to do first is to re-do the user tunings on 160 and see if it
> persists.
>
> You may have a failure in the load cap drive motor.
>
> These are available from Acom and can be replaced.
>
> 73,
>
>
> Bob W5OV
> Array Solutions
> Acom Distributor North America
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of k2qmf@...
> Sent: Sunday, January 27, 2013 10:32 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Acom 2000A Help !
>
>
> Hello All,
>
> During the CQ 160 Meter CW contest
> I had this failure twice...
>
> When changing frequency segments on 160
> the amp would fault and shut down.
>
> The readout said "LOAD CAPACITOR SYSTEM MALFUNCTION".
>
> Any info or suggestions on this problem would be very much appreciated...

>
> Many Thanks in Advance for any info.
>
> 73,
> Ted K2QMF
> --
> Woman is 53 But Looks 25
> Mom reveals 1 simple wrinkle trick that has angered doctors...
> http://thirdpartyoffers.juno.com/TGL3141/510556a6e65de56a62cd8st02vuc
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>

5321. Tuning the Acom 1000 with Navigator Interface installed

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-29 00:45:08 UTC
From: n4jdu
Topic: 5321 Message: 5321

I have Elecraft k3 radio. After installing the Navigator interface I could no longer get the Load and Plate in balance without ARC fault error message. Using the paddle to generate rf signal does not work so well when going thru the navigator. Is there a remedy for this anywhere out there? Let me know.

Jeff
N4Jdu

5322. RE: [acom-list] Tuning the Acom 1000 with Navigator Interface installed

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-29 11:42:40 UTC
From: Bob Naumann
Topic: 5321 Message: 5322

Jeff,

Take the Navigator out of your system (disconnect it) and make sure that nothing else is wrong.

As this device should only impact what your radio is doing, for something to appear as a problem in the amplifier makes no sense.

I use a similar device from Rig Expert with my K3 and my Acom 1500 and I have no problems such as you describe.

Something is likely wrong elsewhere.

-Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of n4jdu
Sent: Monday, January 28, 2013 6:45 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Tuning the Acom 1000 with Navigator Interface installed

I have Elecraft k3 radio. After installing the Navigator interface I could no longer get the Load and Plate in balance without ARC fault error message. Using the paddle to generate rf signal does not work so well when going thru the navigator. Is there a remedy for this anywhere out there? Let me know.

Jeff
N4Jdu

Yahoo! Groups Links

5323. New RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-31 12:22:36 UTC
From: iv3jcc
Topic: 5323 Message: 5323

Hi
Just arrived new RCU for my Acom 2000. Plugged via cat in the ci-v out of the MK II it is runnig well. At the moment seems good, also changing antennas by the switch Acom. Finally it is running in the correct way.
I note that is a little slow....but not bad. Now it needs to be tested in contest all band.

73 to all de iv3jcc

5324. Re: [acom-list] New RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-31 13:20:21 UTC
From: Joel Kornreich
Topic: 5323 Message: 5324

**
Hello Gianni,
*
I too have purchased the new RCU for my ACOM 2000 from the American distributor. Playing with the new RCU, I have not noticed the unit being slow to any extent. Can you explain more on what you noticed? Truly enjoy the unit but a little high in price. Have you noticed anything else or any other comment? Joel, K2QBV*

On Thu, Jan 31, 2013 at 7:22 AM, iv3jcc <gianni_ud@...> wrote:

> **
>
>
> Hi
> Just arrived new RCU for my Acom 2000. Plugged via cat in the ci-v out of
> the MK II it is runnig well. At the moment seems good, also changing
> antennas by the switch Acom. Finally it is running in the correct way.
> I note that is a little slow....but not bad. Now it needs to be tested in
> contest all band.
>
> 73 to all de iv3jcc
>
>
>

[Non-text portions of this message have been removed]

5325. Re: New RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2013-01-31 17:32:14 UTC
From: iv3jcc
Topic: 5323 Message: 5325

Hi Joel

Are only few ours that I'm using the new RCU and I can say for the moment that is beautiful.Settings are not difficult if you get into device's philosopy. Nice the colored screen. I noticed that it is kinda slow in data processing, but is only a my idea, can you survive the same hihi.I'm familiar with the cw contest speed hihi.
I reserve other comments after using it in contest all band where you need a lot of bandwidth and antenna switches... I want to put it under tough pressure hihi. Best 73

I want to put it under tough pressure
--- In acom-list@yahoogroups.com, Joel Kornreich wrote:
>
> **
> *Hello Gianni,*
> *
> I too have purchased the new RCU for my ACOM 2000 from the American
> distributor. Playing with the new RCU, I have not noticed the unit being
> slow to any extent. Can you explain more on what you noticed? Truly enjoy
> the unit but a little high in price. Have you noticed anything else or any
> other comment? Joel, K2QBV*
>
> On Thu, Jan 31, 2013 at 7:22 AM, iv3jcc wrote:
>
> > **
> > >
> > >
> > > Hi
> > > Just arrived new RCU for my Acom 2000. Plugged via cat in the ci-v out of
> > > the MK II it is runnig well. At the moment seems good, also changing
> > > antennas by the switch Acom. Finally it is running in the correct way.
> > > I note that is a little slow....but not bad. Now it needs to be tested in
> > > contest all band.
> > >
> > > 73 to all de iv3jcc
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >

5326. Re: New RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-02 19:43:30 UTC
From: iv3jcc
Topic: 5323 Message: 5326

.http://www.youtube.com/watch?v=h-7cPapW58c&list=HL1359748809&feature=mh_lolz

--- In acom-list@yahoogroups.com, "iv3jcc" wrote:
>
>
> Hi Joel
>
> Are only few ours that I'm using the new RCU and I can say for the moment that is beautiful.Settings are not difficult if you get into device's philosopy. Nice the colored screen. I noticed that it is kinda slow in data processing, but is only a my idea, can you survive the same hihi.I'm familiar with the cw contest speed hihi.
> I reserve other comments after using it in contest all band where you need a lot of bandwidth and antenna switches... I want to put it under tough pressure hihi. Best 73
>
>
> I want to put it under tough pressure
> --- In acom-list@yahoogroups.com, Joel Kornreich wrote:
> >
> > **
> > *Hello Gianni,*
> > *
> > I too have purchased the new RCU for my ACOM 2000 from the American
> > distributor. Playing with the new RCU, I have not noticed the unit being
> > slow to any extent. Can you explain more on what you noticed? Truly enjoy
> > the unit but a little high in price. Have you noticed anything else or any
> > other comment? Joel, K2QBV*
> >
> > On Thu, Jan 31, 2013 at 7:22 AM, iv3jcc wrote:
> >
> > > **
> > > >
> > > >
> > > Hi
> > > Just arrived new RCU for my Acom 2000. Plugged via cat in the ci-v out of
> > > the MK II it is runnig well. At the moment seems good, also changing
> > > antennas by the switch Acom. Finally it is running in the correct way.
> > > I note that is a little slow....but not bad. Now it needs to be tested in
> > > contest all band.
> > > >
> > > 73 to all de iv3jcc
> > > >
> > > >
> > > >
> > >
> >

> > [Non-text portions of this message have been removed]
> >
>

5327. Re: New RCU

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-02 19:45:09 UTC
From: iv3jcc
Topic: 5323 Message: 5327

--- In acom-list@yahoogroups.com, "iv3jcc" wrote:
>A video about new RCU Acom

> .http://www.youtube.com/watch?v=h-7cPapW58c&list=HL1359748809&feature=mh_lolz
>
>
> --- In acom-list@yahoogroups.com, "iv3jcc" wrote:
> >
> >
> > Hi Joel
> >
> > Are only few ours that I'm using the new RCU and I can say for the moment that is beautiful.Settings are not difficult if you get into device's philosopy. Nice the colored screen. I noticed that it is kinda slow in data processing, but is only a my idea, can you survive the same hihi.I'm familiar with the cw contest speed hihi.
> > I reserve other comments after using it in contest all band where you need a lot of bandwidth and antenna switches... I want to put it under tough pressure hihi. Best 73
> >
> >
> > I want to put it under tough pressure
> > --- In acom-list@yahoogroups.com, Joel Kornreich wrote:
> > >
> > > **
> > > *Hello Gianni,*
> > > *
> > > I too have purchased the new RCU for my ACOM 2000 from the American
> > > distributor. Playing with the new RCU, I have not noticed the unit being
> > > slow to any extent. Can you explain more on what you noticed? Truly enjoy
> > > the unit but a little high in price. Have you noticed anything else or any
> > > other comment? Joel, K2QBV*
> > >
> > > On Thu, Jan 31, 2013 at 7:22 AM, iv3jcc wrote:
> > >
> > > > **
> > > > >
> > > > >
> > > > Hi
> > > > Just arrived new RCU for my Acom 2000. Plugged via cat in the ci-v out of
> > > > the MK II it is runnig well. At the moment seems good, also changing
> > > > antennas by the switch Acom. Finally it is running in the correct way.
> > > > I note that is a little slow....but not bad. Now it needs to be tested in
> > > > contest all band.
> > > > >
> > > > 73 to all de iv3jcc
> > > > >

> > > >
> > > >
> > >
> > >
> > > [Non-text portions of this message have been removed]
> > >
> >
>

5328. 2000A Won't Turn On

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-05 14:27:27 UTC
From: Richard Zalewski
Topic: 5328 Message: 5328

This has been intermittant problem for just a bit. When I press the ON button on the RCU the unit starts to turn on and then goes off. Did this a couple of weeks ago and then it came on and operated for a weekend without any problems. I can hear a relay open and then close somewhere in the front panel area.

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

5329. 2000A Won't Turn On

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-05 16:12:45 UTC
From: W1JCW
Topic: 5328 Message: 5329

Sounds like a comm issue between your RCU and the controller.

I ran across that issue with a friend, he replaced the RCU as it was losing comms between the controller and the 2k.

I have a RCU you can try out to see if that cures the problem.

73-
W1JCW
John

From: Richard Zalewski
Sent: Tuesday, February 05, 2013 8:27 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A Won't Turn On

This has been intermittant problem for just a bit. When I press the ON button on the RCU the unit starts to turn on and then goes off. Did this a couple of weeks ago and then it came on and operated for a weekend without any problems. I can hear a relay open and then close somewhere in the front panel area.

--
Tnx es 73
Richard W7ZR
www.w7zr.com

[Non-text portions of this message have been removed]

5330. Re: [acom-list] 2000A Won't Turn On

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-05 16:36:56 UTC
From: Richard Zalewski
Topic: 5328 Message: 5330

Thanks for the report John. It is on now. I don't know why this would ever have anything to do with it but I turned off my IC-7800 then turned on the Acom and it came on right away. Strange....

On Tue, Feb 5, 2013 at 9:12 AM, W1JCW <w1jcw@...> wrote:

> **
>
>
> Sounds like a comm issue between your RCU and the controller.
>
> I ran across that issue with a friend, he replaced the RCU as it was
> losing comms between the controller and the 2k.
>
> I have a RCU you can try out to see if that cures the problem.
>
> 73-
> W1JCW
> John
>
> From: Richard Zalewski
> Sent: Tuesday, February 05, 2013 8:27 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] 2000A Won't Turn On
>
>
> This has been intermittant problem for just a bit. When I press the ON
> button on the RCU the unit starts to turn on and then goes off. Did this a
> couple of weeks ago and then it came on and operated for a weekend without
> any problems. I can hear a relay open and then close somewhere in the
> front panel area.
>
> --
> Tnx es 73
> Richard W7ZR
> www.w7zr.com
>
> [Non-text portions of this message have been removed]
>
>
>

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

5331. Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-07 01:29:46 UTC
From: John
Topic: 5331 Message: 5331

I am the happy owner of an Acom 1000, which I purchased in early 2007, and I am thinking about selling my 1000 and buying a new Acom 1500. Has the 1500 been out long enough for an evaluation of its quality and durability?

John, N9JG

5332. Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-08 14:06:17 UTC
From: m0utd
Topic: 1393 Message: 5332

Hi all
I am sure this topic must have been posted on here before but i am new to this newsgroup and hope someone can help , i have a acom 1000 and it works perfect on ssb but on cw and rtty no matter how much input power it comes up with hot switching i think it has something to do with the delay in sending the carrier but i am really not sure the radio i am using is a icom 756 i hope someone on here can help ?
Thanks in advance
Mark
M0UTD

5333. RE: [acom-list] Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-08 14:13:08 UTC
From: Bob Naumann
Topic: 1393 Message: 5333

What connections do you have from the radio PTT to the amplifier KEY-IN ?

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of m0utd
Sent: Friday, February 08, 2013 8:06 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000

Hi all
I am sure this topic must have been posted on here before but i am new to this newsgroup and hope someone can help , i have a acom 1000 and it works perfect on ssb but on cw and rtty no matter how much input power it comes up with hot switching i think it has something to do with the delay in sending the carrier but i am really not sure the radio i am using is a icom 756 i hope someone on here can help ?
Thanks in advance
Mark
M0UTD

Yahoo! Groups Links

5334. Re: [acom-list] Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-08 16:59:10 UTC
From: Doug Smith
Topic: 5331 Message: 5334

John,

I am the happy owner of an Acom 1500 which I purchased new in the fall of 2012. So, I haven't had it very long..

That being said, I really like the amp. It has excellent protection circuitry, puts out gobs of power and does so effortlessly.

I can't speak to long term use -- I probably have 30 or 40 hours on the amp, all CW / QSK. So far, excellent.

I chose the 1500 because I wanted to run full power, I like single tube designs and I couldn't afford the Acom 2000. ;-)

73,
Doug, W7KF
http://www.w7kf.com

On 02/06/2013 06:29 PM, John wrote:
> I am the happy owner of an Acom 1000, which I purchased in early 2007,
> and I am thinking about selling my 1000 and buying a new Acom 1500. Has
> the 1500 been out long enough for an evaluation of its quality and
> durability?
>
> John, N9JG

5335. Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-09 02:05:57 UTC
From: D G
Topic: 5331 Message: 5335

I also have a 1500 and so far seems fine.
While I purchased her for 6 meters exclusively, she makes a nice backup to my ACOM 2000A; and thusfar has had some but little use on 6 meters. Being able to accommodate up to three antennas as a standard option is a nice advantage as well. She delivers about the same or even more power than the Alpha 6 I had plus has the added value of HF support as well, but much less than the SPE 2K-FA. The price/performance seems in line especially with the price increase on the ACOM 2000A and CAT RCU.

73,

Dennis
N3DG

> To: acom-list@yahoogroups.com
> From: doug@...
> Date: Fri, 8 Feb 2013 09:59:10 -0700
> Subject: Re: [acom-list] Upgrade from Acom 1000 - 1500?
>
> John,
>
> I am the happy owner of an Acom 1500 which I purchased new in the fall
> of 2012. So, I haven't had it very long..
>
> That being said, I really like the amp. It has excellent protection
> circuitry, puts out gobs of power and does so effortlessly.
>
> I can't speak to long term use -- I probably have 30 or 40 hours on the
> amp, all CW / QSK. So far, excellent.
>
> I chose the 1500 because I wanted to run full power, I like single tube
> designs and I couldn't afford the Acom 2000. ;-)
>
> 73,
> Doug, W7KF
> http://www.w7kf.com
>
>
> On 02/06/2013 06:29 PM, John wrote:
> > I am the happy owner of an Acom 1000, which I purchased in early 2007,
> > and I am thinking about selling my 1000 and buying a new Acom 1500. Has
> > the 1500 been out long enough for an evaluation of its quality and
> > durability?
> >
> > John, N9JG
>
>

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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5336. RE: [acom-list] Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-09 02:14:40 UTC
From: Ed Caplan
Topic: 5331 Message: 5336

Auto tune is great on the 2000.

> To: acom-list@yahoogroups.com
> From: radiodg@...
> Date: Sat, 9 Feb 2013 02:05:57 +0000
> Subject: [acom-list] Upgrade from Acom 1000 - 1500?
>
>
> I also have a 1500 and so far seems fine.
> While I purchased her for 6 meters exclusively, she makes a nice backup to my ACOM 2000A; and thusfar has had some but little use on 6 meters. Being able to accommodate up to three antennas as a standard option is a nice advantage as well. She delivers about the same or even more power than the Alpha 6 I had plus has the added value of HF support as well, but much less than the SPE 2K-FA. The price/performance seems in line especially with the price increase on the ACOM 2000A and CAT RCU.
>
> 73,
>
> Dennis
> N3DG
>
>
>
> > To: acom-list@yahoogroups.com
> > From: doug@...
> > Date: Fri, 8 Feb 2013 09:59:10 -0700
> > Subject: Re: [acom-list] Upgrade from Acom 1000 - 1500?
> >
> > John,
> >
> > I am the happy owner of an Acom 1500 which I purchased new in the fall
> > of 2012. So, I haven't had it very long..
> >
> > That being said, I really like the amp. It has excellent protection
> > circuitry, puts out gobs of power and does so effortlessly.
> >
> > I can't speak to long term use -- I probably have 30 or 40 hours on the
> > amp, all CW / QSK. So far, excellent.
> >
> > I chose the 1500 because I wanted to run full power, I like single tube
> > designs and I couldn't afford the Acom 2000. ;-)
> >
> > 73,
> > Doug, W7KF
> > http://www.w7kf.com

> >
> >
> > On 02/06/2013 06:29 PM, John wrote:
> > > I am the happy owner of an Acom 1000, which I purchased in early 2007,
> > > and I am thinking about selling my 1000 and buying a new Acom 1500. Has
> > > the 1500 been out long enough for an evaluation of its quality and
> > > durability?
> > >
> > > John, N9JG
> >
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> > Yahoo! Groups Links
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> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5337. RE: [acom-list] Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-09 13:55:36 UTC
From: Kees - pa7two
Topic: 5331 Message: 5337

Auto-tune on 6meter band?!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: w3cc@hotmail.com
Date: Fri, 8 Feb 2013 21:14:40 -0500
Subject: RE: [acom-list] Upgrade from Acom 1000 - 1500?

Auto tune is great on the 2000.

> To: acom-list@yahoogroups.com

> From: radiodg@...

> Date: Sat, 9 Feb 2013 02:05:57 +0000

> Subject: [acom-list] Upgrade from Acom 1000 - 1500?

>

>

> I also have a 1500 and so far seems fine.

> While I purchased her for 6 meters exclusively, she makes a nice backup to my ACOM 2000A; and thusfar has had some but little use on 6 meters. Being able to accommodate up to three antennas as a standard option is a nice advantage as well. She delivers about the same or even more power than the Alpha 6 I had plus has the added value of HF support as well, but much less than the SPE 2K-FA. The price/performance seems in line especially with the price increase on the ACOM 2000A and CAT RCU.

>

> 73,

>

> Dennis

> N3DG

>

>

>

> > To: acom-list@yahoogroups.com

> > From: doug@...

> > Date: Fri, 8 Feb 2013 09:59:10 -0700

> > Subject: Re: [acom-list] Upgrade from Acom 1000 - 1500?

> >

> > John,

> >

> > I am the happy owner of an Acom 1500 which I purchased new in the fall

> > of 2012. So, I haven't had it very long..

> >

> > That being said, I really like the amp. It has excellent protection

> > circuitry, puts out gobs of power and does so effortlessly.

> >

> > I can't speak to long term use -- I probably have 30 or 40 hours on the

> > amp, all CW / QSK. So far, excellent.

> >

> > I chose the 1500 because I wanted to run full power, I like single tube

> > designs and I couldn't afford the Acom 2000. ;-)

> >

> > 73,

> > Doug, W7KF

> > http://www.w7kf.com

> >

> >

> > On 02/06/2013 06:29 PM, John wrote:

> > > I am the happy owner of an Acom 1000, which I purchased in early 2007,

> > > and I am thinking about selling my 1000 and buying a new Acom 1500. Has

> > > the 1500 been out long enough for an evaluation of its quality and

> > > durability?

> > >

> > > John, N9JG

> >

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> > Yahoo! Groups Links

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> Yahoo! Groups Links

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[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5338. Re: Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-09 17:36:15 UTC
From: Johnsay Johnsay
Topic: 5331 Message: 5338

I don't understand the rationale for the ACOM 1500. It's significantly more expensive that the ACOM 1000 and doesn't really offer that much more. It's price slot puts it into competition with the Alpha 8410. Regardless of what anyone might think of Alpha generally, the 8410 seems to offer a lot.
The US distributor wasn't able to offer any clarity on the matter either. I suspect it may be a response to market "nervousness" about the availability of the GU74b.
Anyway, I purchased a used ACOM 1000 and I'm, so far, very pleased with the equipment.
John, W8KX

[Non-text portions of this message have been removed]

5340. Re: [acom-list] Re: Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-09 20:29:16 UTC
From: W5OV@...
Topic: 5331 Message: 5340

The Acom 1000 is indeed a bargain.

The 1500 offers legal limit output in the same sized package which is very attractive for many - specifically 6m enthusiasts.

In addition, since it is about 10 years 'younger' than the 1000 it has some added features that are nice including support for 3 antennas.

73,

Bob W5OV
Array Solutions

> I don't understand the rationale for the ACOM 1500.? It's significantly
> more expensive that the ACOM 1000 and doesn't really offer that much
> more.?? It's price slot puts it into
> competition with the Alpha 8410.? Regardless of what anyone might think of
> Alpha generally,? the 8410 seems to offer a lot.
> The US distributor wasn't able to offer any clarity on the matter either.?
> I suspect it may be a response to market "nervousness" about the
> availability of the GU74b.
> Anyway,? I purchased a? used ACOM 1000 and I'm, so far, very pleased with
> the equipment.
> John, W8KX
>
> [Non-text portions of this message have been removed]
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>
> Yahoo! Groups Links
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>

5341. RE: [acom-list] Re: Upgrade from Acom 1000 - 1500?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-10 03:31:39 UTC
From: Chris and Susie
Topic: 5331 Message: 5341

Brung home $400

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of W5OV@...
Sent: Sunday, 10 February 2013 7:29 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Upgrade from Acom 1000 - 1500?

The Acom 1000 is indeed a bargain.

The 1500 offers legal limit output in the same sized package which is very attractive for many - specifically 6m enthusiasts.

In addition, since it is about 10 years 'younger' than the 1000 it has some added features that are nice including support for 3 antennas.

73,

Bob W5OV
Array Solutions

> I don't understand the rationale for the ACOM 1500. It's significantly
> more expensive that the ACOM 1000 and doesn't really offer that much
> more. It's price slot puts it into
> competition with the Alpha 8410. Regardless of what anyone might think of
> Alpha generally, the 8410 seems to offer a lot.
> The US distributor wasn't able to offer any clarity on the matter either.
> I suspect it may be a response to market "nervousness" about the
> availability of the GU74b.
> Anyway, I purchased a used ACOM 1000 and I'm, so far, very pleased with
> the equipment.
> John, W8KX
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5342. Acom2000a w/new rcu and data cable

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-10 04:01:16 UTC
From: myles
Topic: 5342 Message: 5342

was finally able to make a cable to hook the amp up to the Microham MKII.

Works fantastic, followed the manual to make the cable, and it has been tracking perfectly since. Lots of fun!

Thanks to all those that helped me w/some tips on there setups.

5343. Re: [acom-list] Acom 1000 drive level and RF power Gain

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-10 12:04:03 UTC
From: Trevor Dunne
Topic: 5099 Message: 5343

Hopefully someone might be able to help me,

I noticed during the RTTY test that on 10m I am only getting about 800w out, antenna has a 1.1:1 SWR

What I also notice is that the rig will not go above 50w drive when the amp is online if I put the amp into stby I get 100w through the amp.

When increasing the drive about 50w there is no indication of a SWR rise on the rig,

It is working ok on all the other HF bands.

Not sure what is going on

Thanks
Trevor
EI2GLB

From: Trevor Dunne <trevor_dunne@...>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Saturday, 20 October 2012, 12:19
Subject: Re: [acom-list] Acom 1000 drive level and RF power Gain

Just to update this as I didn't get much response the first time around,

I did a test on all bands and they are all ok with the exception of 10m.

on 10m If I am running 50w with the amp in STBY the meter on the amp shows 50w as it should,

If I bring the amp on line, I am only seeing 40w drive when it should be 50w as I have not touched the drive level on the rig,

I checked all other bands and the difference between STBY PWR and Drive PWR when amp is in line is maybe 1 or 2w, not the 10w that is showing on 10m, I notice the SWR will rise a small bit as well, would the circuit in the amp be out of tune on 10m or maybe some sort of issues with the tuner/coax switch, patch cables???
 That's why I have to push the Rig harder to get the same output on 10m,

It's not a issue I am to concerned about bit will monitor it to make sure it does not get any worse.

Thanks
Trevor
EI2GLB

From: Trevor Dunne <trevor_dunne@...>

To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Tuesday, 9 October 2012, 21:40
Subject: [acom-list] Acom 1000 drive level and RF power Gain

Hi All

I notice that to get full output I have to use more power from my rig than before, usually around 60w was enough to get up to 1kw,

Now I nearly have to run it at full power to get that, its worse on 10m

The RF power Gain is only showing 12.0dB I am sure it used to show more,

I don't use the amp that much and its about 5 years old,

would the tube be getting weak ???

Thanks
Trevor
EI2GLB

From: Mel Whitten <mailto:mel%40melwhitten.com>
To: mailto:acom-list%40yahoogroups.com
Sent: Monday, 8 October 2012, 22:41
Subject: RE: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Well, I have received a nice QSL card from an LZ op with a picture of the
new controller next to the 2000A. Looked pretty real to me.

Mel

k0pfx

From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
Of Ralph
Sent: Monday, October 08, 2012 2:47 PM
To: mailto:acom-list%40yahoogroups.com
Subject: [acom-list] Acom 2000A "new RCU" controller a reality or vapor
wear?

I have enjoyed my 2000A for about a year now. I remember asking Bob at Array
Solutions at the time of purchase about the "new" RCU that Acom had
announced for the 2000A. Well Bob, it has been about a year. Is the new RCU
a reality of is it just more bleepin vapor wear?

W1ZK

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5344. Re: [acom-list] Acom 1000 drive level and RF power Gain

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-10 16:04:26 UTC
From: krishna kumar
Topic: 5099 Message: 5344

Greetings Trevor,
Are you connecting the ALC line from the Amp to the rig?
Try disconnecting it and test.

Another possibility is, if you are comfortable working with covers open, please try to perform the
bias adjustment. EB1 and EB2 pre-sets. This is dangerous, but not if one knows what to do and
what not to do.

My amp showed about 855w on 20m, but when i checked the Bias, EB1 was
alright, but EB2 was slightly off. Once i adjusted that to the given range, boy, it
puts out a nice 1.15kw for the same input power.

73s
krish
w4vku

From: Trevor Dunne <trevor_dunne@...>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Sunday, February 10, 2013 7:04 AM
Subject: Re: [acom-list] Acom 1000 drive level and RF power Gain

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It is working ok on all the other HF bands.

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Thanks
Trevor
EI2GLB

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Thanks
Trevor
EI2GLB

From: Trevor Dunne mailto:trevor_dunne%40yahoo.com>
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I don't use the amp that much and its about 5 years old,

would the tube be getting weak ???

Thanks
Trevor
EI2GLB

From: Mel Whitten
To: mailto:acom-list%40yahoogroups.com
Sent: Monday, 8 October 2012, 22:41
Subject: RE: [acom-list] Acom 2000A "new RCU" controller a reality or vapor wear?

Well, I have received a nice QSL card from an LZ op with a picture of the
new controller next to the 2000A. Looked pretty real to me.

Mel

k0pfx

From: mailto:acom-list%40yahoogroups.com [mailto:mailto:acom-list%40yahoogroups.com] On Behalf
Of Ralph
Sent: Monday, October 08, 2012 2:47 PM
To: mailto:acom-list%40yahoogroups.com
Subject: [acom-list] Acom 2000A "new RCU" controller a reality or vapor
wear?

I have enjoyed my 2000A for about a year now. I remember asking Bob at Array Solutions at the time of purchase about the "new" RCU that Acom had announced for the 2000A. Well Bob, it has been about a year. Is the new RCU a reality of is it just more bleepin vapor wear?

W1ZK

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5345. Valve gone soft maybe? ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-13 08:41:47 UTC
From: Gordon
Topic: 5345 Message: 5345

Hi.

Just joined the group. I have had my Acom 1K for about 5 years now.

During the WPX RTTY contest on Sunday evening, my amp went faulty. On 40m, the ATT (attenuate) light flashed and cut the output to real low power. About 90 watts I think. Upon checking, I can now only run about an indicated 18w into the amp before it self protects. That is only good for about 170w output. As soon as I up the drive any higher, the ATT flashes and cuts the power.

I just tested all other bands and although the ATT doesn't cut in, I found the power output to be much lower than it used to be. Testing into a dummy load (of course), I found I was getting between 550w to 700w on everywhere else. Previously, the amp produced more than a Kw with about 50 - 60w drive. I don't use it at that level ever.

So, hopefully the valve has gone soft and any other fault hopefully?

Although I've noticed the lower power output for some time now, what worries me more is why it suddenly just seems to fault on 40m now?

Thanks for any help.

Gordon
MM0GPZ

5346. Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-14 18:59:43 UTC
From: Mel Whitten
Topic: 5346 Message: 5346

The local power company here had a "failure" and caused my 240vac to increase to nearly 300vac. Before I noticed this, it burned out the heaters on both tubes. I have spare tested tubes but they have not had their heaters on since I received them in Aug of 2008. Is there any conditioning I need to do with these other than let them warm up for few hours or ? before putting them into use?

Thanks

Mel, K0PFX

[Non-text portions of this message have been removed]

5347. Re: [acom-list] Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-14 19:10:56 UTC
From: W5OV@...
Topic: 5346 Message: 5347

Follow the bias adjustment procedure when you install them and they should be just fine.

I'll email the procedure to you as well as post it here on the group file area.

73,

Bob W5OV
Array Solutions
Acom North America Distributor

> The local power company here had a "failure" and caused my 240vac to
> increase to nearly 300vac. Before I noticed this, it burned out the
> heaters on both tubes. I have spare tested tubes but they have not had
> their heaters on since I received them in Aug of 2008. Is there any
> conditioning I need to do with these other than let them warm up for few
> hours or ? before putting them into use?
>
> Thanks
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> Mel, K0PFX
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> Yahoo! Groups Links
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5348. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-14 19:15:26 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 5348

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /2000A_Tube_Replacement.pdf
Uploaded by : bob_naumann <W5OV@...>
Description : Tube Replacement for 2000A PDF

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/2000A_Tube_Replacement.pdf

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

bob_naumann <W5OV@...>

5349. Re: [acom-list] Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-14 20:23:15 UTC
From: Mel Whitten
Topic: 5346 Message: 5349

Thank you, Bob. I have received the procedure.
Mel

----- Original Message -----
From: W5OV@...
To: acom-list@yahoogroups.com
Sent: Thursday, February 14, 2013 1:10 PM
Subject: Re: [acom-list] Tube(s) heater failure

Follow the bias adjustment procedure when you install them and they should
be just fine.

I'll email the procedure to you as well as post it here on the group file
area.

73,

Bob W5OV
Array Solutions
Acom North America Distributor

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> hours or ? before putting them into use?
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> Thanks
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> Mel, K0PFX
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5350. RE: [acom-list] Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-14 21:03:26 UTC
From: Kees - pa7two
Topic: 5346 Message: 5350

It would be wise to preheat the tubes before using them in an amplifier. Most GU74B manufacturer tubes are dated way in the past. Tubes older then 5 years are recommended to be preheated before applying.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: mel@...
Date: Thu, 14 Feb 2013 14:23:15 -0600
Subject: Re: [acom-list] Tube(s) heater failure

Thank you, Bob. I have received the procedure.

Mel

----- Original Message -----

From: W5OV@...

To: acom-list@yahoogroups.com

Sent: Thursday, February 14, 2013 1:10 PM

Subject: Re: [acom-list] Tube(s) heater failure

Follow the bias adjustment procedure when you install them and they should

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I'll email the procedure to you as well as post it here on the group file

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73,

Bob W5OV

Array Solutions

Acom North America Distributor

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> their heaters on since I received them in Aug of 2008. Is there any

> conditioning I need to do with these other than let them warm up for few

> hours or ? before putting them into use?

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> Thanks

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> Mel, K0PFX

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5351. Re: [acom-list] Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-14 22:26:52 UTC
From: Mel Whitten
Topic: 5346 Message: 5351

Thanks, will do!
Mel

----- Original Message -----
From: "Kees - pa7two" <pa7two@...>
To: "ACOM Reflector site" <acom-list@yahoogroups.com>
Sent: Thursday, February 14, 2013 3:03 PM
Subject: RE: [acom-list] Tube(s) heater failure

> It would be wise to preheat the tubes before using them in an amplifier.
> Most GU74B manufacturer tubes are dated way in the past. Tubes older then
> 5 years are recommended to be preheated before applying.
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> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
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>
> To: acom-list@yahoogroups.com
> From: mel@...
> Date: Thu, 14 Feb 2013 14:23:15 -0600
> Subject: Re: [acom-list] Tube(s) heater failure
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> Thank you, Bob. I have received the procedure.
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> Mel
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> ----- Original Message -----
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> From: W5OV@...
>
> To: acom-list@yahoogroups.com
>
> Sent: Thursday, February 14, 2013 1:10 PM
>
> Subject: Re: [acom-list] Tube(s) heater failure
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>
> Follow the bias adjustment procedure when you install them and they should
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> be just fine.
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> I'll email the procedure to you as well as post it here on the group file
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> area.
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> 73,
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>
> Bob W5OV
>
> Array Solutions
>
> Acom North America Distributor
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>> The local power company here had a "failure" and caused my 240vac to

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5352. Re: [acom-list] Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-15 19:23:05 UTC
From: Fernando EC1CT
Topic: 5346 Message: 5352

Hi Mel and all,
Could you please forward to me??...E-mail is:

ec1ct@esbesaya.com

Thank you. 73!
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Mel Whitten
Sent: Thursday, February 14, 2013 9:23 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Tube(s) heater failure

Thank you, Bob. I have received the procedure.
Mel

----- Original Message -----
From: W5OV@...
To: acom-list@yahoogroups.com
Sent: Thursday, February 14, 2013 1:10 PM
Subject: Re: [acom-list] Tube(s) heater failure

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> Mel, K0PFX
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No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2013.0.2899 / Base de datos de virus: 2639/6105 - Fecha de publicación: 02/15/13

[Non-text portions of this message have been removed]

5353. Re: [acom-list] Tube(s) heater failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-15 23:09:47 UTC
From: Mel Whitten
Topic: 5346 Message: 5353

I will forward it to you.. Bob is busy preparing for the big contest this weekend. :-)

Mel

----- Original Message -----
From: Fernando EC1CT
To: acom-list@yahoogroups.com
Sent: Friday, February 15, 2013 1:23 PM
Subject: Re: [acom-list] Tube(s) heater failure

Hi Mel and all,
Could you please forward to me??...E-mail is:

ec1ct@...

Thank you. 73!
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

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Versión: 2013.0.2899 / Base de datos de virus: 2639/6105 - Fecha de publicación: 02/15/13

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5354. Re: ACOM 2000A excessive drive

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-16 09:41:34 UTC
From: dickgreen03755
Topic: 5070 Message: 5354

Bruce,

Were you able to figure out what caused this? I'm doing the ARRL DX contest right now, and my rig is able to drive the 2000A to full power with only 20W output!

73, Dick WC1M

--- In acom-list@yahoogroups.com, Bruce McLain <bruce.mclain@...> wrote:
>
> I measured the swamping resistor by disconnecting the input coax and
> measuring the resistance across the input PL259 with the PTT shorted.
> It measured 50.1 ohms. The transceiver SWR is very low as well.
>
> I sent a continuous tone to the amp while taking the power readings.
>
> I verified the amp output with a LP100A external wattmeter as well as
> the LED display on the RCU. The interesting thing I have found so far
> is the RCU LED forward power display doesn't match the FWD-P reading
> In the measure mode of the RCU. The LED's and the external wattmeter
> match but the measured reading is about half of the other two.
>
> Bruce McLain - K5WBM
> Sent from my iPad
>

5355. ACom 2000a won't power up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-16 21:04:45 UTC
From: Steve Tripp (K1IIG)
Topic: 5346 Message: 5355

My Acom 2ka will not power up and has no lights or indications on RCU to help tbl shoot, it is dead. The red power light on amp is lit and the main fuses test ok. Is there a way to determine if it is the controller or Amp? Any suggestions?
Steve
K1IIG

[Non-text portions of this message have been removed]

5356. Re: [acom-list] ACom 2000a won't power up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 02:06:22 UTC
From: Joel Kornreich
Topic: 5346 Message: 5356

Sorry I can't help you but if you find out you need a new RCU, I have one for sale. I purchased the new design one two weeks ago and do not need two RCUs. Joel, K2QBV

On Sat, Feb 16, 2013 at 4:04 PM, Steve Tripp (K1IIG) <stephen.tripp@...
> wrote:

> **
>
>
> My Acom 2ka will not power up and has no lights or indications on RCU to
> help tbl shoot, it is dead. The red power light on amp is lit and the main
> fuses test ok. Is there a way to determine if it is the controller or Amp?
> Any suggestions?
> Steve
> K1IIG
>
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5357. Re: [acom-list] ACom 2000a won't power up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 06:53:16 UTC
From: aivers30868@...
Topic: 5346 Message: 5357

What is the ''new design"" why better?

Joe w6vnr

-----Original Message-----
>From: Joel Kornreich <k2qbv2@...>
>Sent: Feb 16, 2013 6:06 PM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] ACom 2000a won't power up
>
>Sorry I can't help you but if you find out you need a new RCU, I have one
>for sale. I purchased the new design one two weeks ago and do not need two
>RCUs. Joel, K2QBV
>
>On Sat, Feb 16, 2013 at 4:04 PM, Steve Tripp (K1IIG) <stephen.tripp@...
>> wrote:
>
>> **
>>
>>
>> My Acom 2ka will not power up and has no lights or indications on RCU to
>> help tbl shoot, it is dead. The red power light on amp is lit and the main
>> fuses test ok. Is there a way to determine if it is the controller or Amp?
>> Any suggestions?
>> Steve
>> K1IIG
>>
>> [Non-text portions of this message have been removed]
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>Yahoo! Groups Links
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5358. Re: [acom-list] ACom 2000a won't power up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 14:27:03 UTC
From: Richard Zalewski
Topic: 5346 Message: 5358

I have the same problem. I have troubleshooting measurements for the RCU.
I got a loaner RCU and still the same problem so my 2kA was sent to the
hospital.

On Sat, Feb 16, 2013 at 11:53 PM, <aivers30868@...> wrote:

> **
>
>
> What is the ''new design"" why better?
>
> Joe w6vnr
>
>
> -----Original Message-----
> >From: Joel Kornreich k2qbv2@...>
> >Sent: Feb 16, 2013 6:06 PM
> >To: acom-list@yahoogroups.com
> >Subject: Re: [acom-list] ACom 2000a won't power up
> >
> >Sorry I can't help you but if you find out you need a new RCU, I have one
> >for sale. I purchased the new design one two weeks ago and do not need two
> >RCUs. Joel, K2QBV
> >
> >On Sat, Feb 16, 2013 at 4:04 PM, Steve Tripp (K1IIG)
> stephen.tripp@...
> >> wrote:
> >
> >> **
> >>
> >>
> >> My Acom 2ka will not power up and has no lights or indications on RCU to
> >> help tbl shoot, it is dead. The red power light on amp is lit and the
> main
> >> fuses test ok. Is there a way to determine if it is the controller or
> Amp?
> >> Any suggestions?
> >> Steve
> >> K1IIG
> >>
> >> [Non-text portions of this message have been removed]
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> >[Non-text portions of this message have been removed]
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Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

5359. ACOM 1000 goes in autoprotect during switching bandswitch

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 14:47:32 UTC
From: Ger
Topic: 5359 Message: 5359

Hi All,
My Acom 1000 developed a strange problem out of the blue.
Here is the situation: when Amp has been powered on after 3 min heating time and when I switch from 14 Mhz to 18-21 Mhz, its goes in auto-protect SB2B. Amp is still in standby (oper switch not engaged) When I engage the oper switch, I can switch bands without immediately going in SB2B auto-protect but after 2-3 switching it goes.In standby it immediately goes in auto-protect when changing the band switch. I tried this with en without PTT line connected: same results. Apart from this weird failure the Acom works fine on all bands:more then a 1 K output. Also I tried this when the Amp is still heating up and at the moment I switch the band switch, beng auto protect SB2B.
Anyone any idea where to look?

Thanks, Ger PE1CZG

5360. [acom-list] ACom 2000a won't power up..FIXED

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 18:19:08 UTC
From: Steve Tripp (K1IIG)
Topic: 5346 Message: 5360

I reseated the connector inside the RCU and all is well. Must have had some oxidation over the years..PHEW.
FYI, this connector can be plugged in either way, beware if you completely remove it.

Steve
K1IIG

>>
>> My Acom 2ka will not power up and has no lights or indications on RCU to
>> help tbl shoot, it is dead. The red power light on amp is lit and the
>> main
>> fuses test ok. Is there a way to determine if it is the controller or
>> Amp?
>> Any suggestions?
>> Steve
>> K1IIG
>>
>> [Non-text portions of this message have been removed]
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5361. Re: [acom-list] ACom 2000a won't power up..FIXED

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 19:07:43 UTC
From: Richard Zalewski
Topic: 5346 Message: 5361

Good for you. I tried that as well as re seating the PROM. Did not work
for me.

On Sun, Feb 17, 2013 at 11:19 AM, Steve Tripp (K1IIG) <
stephen.tripp@...> wrote:

> **
>
>
> I reseated the connector inside the RCU and all is well. Must have had
> some
> oxidation over the years..PHEW.
> FYI, this connector can be plugged in either way, beware if you completely
> remove it.
>
> Steve
> K1IIG
>
> >>
> >> My Acom 2ka will not power up and has no lights or indications on RCU to
> >> help tbl shoot, it is dead. The red power light on amp is lit and the
> >> main
> >> fuses test ok. Is there a way to determine if it is the controller or
> >> Amp?
> >> Any suggestions?
> >> Steve
> >> K1IIG
> >>
> >> [Non-text portions of this message have been removed]
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> > > [Non-text portions of this message have been removed]
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Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

5362. Looking for Acom 1010 in UK

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 19:14:37 UTC
From: James
Topic: 5362 Message: 5362

Hi Looking to buy an Acom 1010 in UK
must be in excellent condition.

If you have one for sale please get in touch with me.

James
G0SEC
jamesg0sec@googlemail.com
or call me on 01305 833307 Anytime.

5363. Re: [acom-list] Looking for Acom 1010 in UK

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-17 20:55:25 UTC
From: Joel Kornreich
Topic: 5362 Message: 5363

Ron at Vine Antennas has them at a great price. Joel

On Sun, Feb 17, 2013 at 2:14 PM, James <jamesg0sec@...> wrote:

> **
>
>
> Hi Looking to buy an Acom 1010 in UK
> must be in excellent condition.
>
> If you have one for sale please get in touch with me.
>
> James
> G0SEC
> jamesg0sec@googlemail.com
> or call me on 01305 833307 Anytime.
>
>
>

[Non-text portions of this message have been removed]

5364. RE: [acom-list] ACOM 1000 goes in autoprotect during switching bandswitch

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-21 08:32:36 UTC
From: Kees - pa7two
Topic: 5359 Message: 5364

Hoi Ger,

This is a new one for me too. Please keep us informed about the repair progress!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: ghoogendijk@xmsnet.nl
Date: Sun, 17 Feb 2013 14:47:32 +0000
Subject: [acom-list] ACOM 1000 goes in autoprotect during switching bandswitch

Hi All,

My Acom 1000 developed a strange problem out of the blue.

Here is the situation: when Amp has been powered on after 3 min heating time and when I switch from 14 Mhz to 18-21 Mhz, its goes in auto-protect SB2B. Amp is still in standby (oper switch not engaged) When I engage the oper switch, I can switch bands without immediately going in SB2B auto-protect but after 2-3 switching it goes.In standby it immediately goes in auto-protect when changing the band switch. I tried this with en without PTT line connected: same results. Apart from this weird failure the Acom works fine on all bands:more then a 1 K output. Also I tried this when the Amp is still heating up and at the moment I switch the band switch, beng auto protect SB2B.

Anyone any idea where to look?

Thanks, Ger PE1CZG

[Non-text portions of this message have been removed]

5365. Acom 2000a "Screen voltage on before timeout over" - round #2

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 13:21:31 UTC
From: James
Topic: 5365 Message: 5365

Dear Acom 2000a experts,

Two independent amplifiers - one at a DXpedition location, and one at my house just produced the infamous "screen voltage on before timeout over" error message.

In the case of the DXpedition amplifier, it was one year since the amplifier was used, and it worked great one year ago, now boots up continiously with this error message.

In the case of the amplifier at MY house, it has been only one week since the amplifier was used, and it worked GREAT the last time it was used...now boots up continiously with this error.

I have read the limited information about this problem and it is almost always described as a potential tube problem.

One year ago (with a 3rd Acom 2000a - 1999 model) I posted a question about this error - couldn't figure out the answer so I sent the amplfier to Acom for repair and this is what they replaced:

(1) TRANSISTOR-2N3904
(1) IRF710-ND (not sure what this is)
(2) IC REGULATOR L7805CV
(1) ECST1VX225R CAP 2200 UF 16V TANT TE SERIES PCS6225CT-ND

Can anyone tell me if that capacitor referenced is the "infamous" C2 that I hear about routinely replacing? Where exactly is C2 located?

I cannot tell what was replaced - to fix the amp vs. what was replaced as a field upgrade.

I will, of course, try a new set of tubes in both broken amplifiers, however I am curious to learn what other "off the shelf" solutions have been discovered for the "screen voltage on before timeout over" error message.

Thanks in advance for any help and guidance.

73,

Jim Nitzberg WX3B

5366. Acom 2000a "low gain" error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 16:58:45 UTC
From: Ron W3ZV
Topic: 5366 Message: 5366

I am attempting to help a friend rectify a problem with his amplifier. The problem is frequency specific and only occurs on the bottom 50 KHz of 80m. My friend is a 100% CW op and I am willing to bet that he never operates out of the bottom 50 KHz of any band.

His current operating lineup is an FT1000, Acom-2000a, MFJ high power manual tuner and a G5RV. As far as my limited testing goes, the amp operates normally all bands except 80m when operated into a dummy load. The amp operates normally from 3.551MHz through 4.000MHz

In the bottom 50KHz, the amp faults with a Low Gain error and goes into standby. My reading of the manual leads me to believe this is somehow related to the amp's tuner and stored tuning solutions. The method of clearing this error and the difference between DEF and USR in this instance are not immediately clear to me.

1. How do I redo the tuning to clear this error?

2. Is it possible and/or advisable to disable the amp's tuner and user the wider range external tuner?

Thanks in advance.

Ron W3ZV

Ron W3ZV

5367. Re: [acom-list] Acom 2000a "low gain" error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 18:03:15 UTC
From: Sigismonti Ronald
Topic: 5366 Message: 5367

Ron, why not simply retune the amp using the auto tune steps described in the manual. It may simply be out of tune, or perhaps never tuned in the first place.

73 de Sig, N3RS

On Feb 22, 2013, at 11:58 AM, Ron W3ZV wrote:

I am attempting to help a friend rectify a problem with his amplifier. The problem is frequency specific and only occurs on the bottom 50 KHz of 80m. My friend is a 100% CW op and I am willing to bet that he never operates out of the bottom 50 KHz of any band.

His current operating lineup is an FT1000, Acom-2000a, MFJ high power manual tuner and a G5RV. As far as my limited testing goes, the amp operates normally all bands except 80m when operated into a dummy load. The amp operates normally from 3.551MHz through 4.000MHz

In the bottom 50KHz, the amp faults with a Low Gain error and goes into standby. My reading of the manual leads me to believe this is somehow related to the amp's tuner and stored tuning solutions. The method of clearing this error and the difference between DEF and USR in this instance are not immediately clear to me.

1. How do I redo the tuning to clear this error?

2. Is it possible and/or advisable to disable the amp's tuner and user the wider range external tuner?

Thanks in advance.

Ron W3ZV

Ron W3ZV

[Non-text portions of this message have been removed]

5368. Re: [acom-list] Acom 2000a "low gain" error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 18:46:40 UTC
From: W5OV@...
Topic: 5366 Message: 5368

That's the best suggestion - re-do the user tuning in that segment.

Also, to clear up a popular misconception, the amplifier does not have a "tuner" in the sense of an antenna tuner - this is simply the normal tank circuit of the amplifier (tune & load capacitors and a switched inductor) so it cannot be disabled.

You certainly can use the external tuner to make the SWR appear better to the amplifier which would make it tune more easily.

The G5RV is notorious for "RF in the shack problems" but this doesn't sound like one of those cases.

-Bob W5OV

> Ron, why not simply retune the amp using the auto tune steps described in
> the manual. It may simply be out of tune, or perhaps never tuned in the
> first place.
>
> 73 de Sig, N3RS
>
>
> On Feb 22, 2013, at 11:58 AM, Ron W3ZV wrote:
>
> I am attempting to help a friend rectify a problem with his amplifier. The
> problem is frequency specific and only occurs on the bottom 50 KHz of 80m.
> My friend is a 100% CW op and I am willing to bet that he never operates
> out of the bottom 50 KHz of any band.
>
> His current operating lineup is an FT1000, Acom-2000a, MFJ high power
> manual tuner and a G5RV. As far as my limited testing goes, the amp
> operates normally all bands except 80m when operated into a dummy load.
> The amp operates normally from 3.551MHz through 4.000MHz
>
> In the bottom 50KHz, the amp faults with a Low Gain error and goes into
> standby. My reading of the manual leads me to believe this is somehow
> related to the amp's tuner and stored tuning solutions. The method of
> clearing this error and the difference between DEF and USR in this
> instance are not immediately clear to me.
>
> 1. How do I redo the tuning to clear this error?
>
> 2. Is it possible and/or advisable to disable the amp's tuner and user the
> wider range external tuner?
>
> Thanks in advance.

>
> Ron W3ZV
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> Ron W3ZV
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> Yahoo! Groups Links
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5369. BIAS TOO LOW AT POWER ON: -044V

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 19:08:46 UTC
From: ivan_astrotahiche
Topic: 5369 Message: 5369

Some sugesstion at:

RCU SAY,

BIAS TOO LOW
AT POWER ON: -044V

73′Ivan EA8YG

5370. Re: Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 21:03:38 UTC
From: Steve
Topic: 1393 Message: 5370

--- In acom-list@yahoogroups.com, "m0utd" <bigmac048@...> wrote:
>
> Hi all
> I am sure this topic must have been posted on here before but i am new to this newsgroup and hope someone can help , i have a acom 1000 and it works perfect on ssb but on cw and rtty no matter how much input power it comes up with hot switching i think it has something to do with the delay in sending the carrier but i am really not sure the radio i am using is a icom 756 i hope someone on here can help ?
> Thanks in advance
> Mark
> M0UTD

You are sending RF into the Acom before it's relay has switched.
It's fast to switch, but not as fast as some solid state radios.

You need to add delay in those modes, don't know the rig so perhaps check the menus for some delay options.

5371. Re: [acom-list] Acom 2000a "low gain" error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-22 21:45:22 UTC
From: Ron W3ZV
Topic: 5366 Message: 5371

Sig:

Thanks for the help. My lack of experience with this amp makes me apprehensive. I will screw my courage to the sticking-place and get it done.

Ron W3ZV

On Feb 22, 2013, at 1:03 PM, Sigismonti Ronald <n3rs@verizon.net> wrote:

> Ron, why not simply retune the amp using the auto tune steps described in the manual. It may simply be out of tune, or perhaps never tuned in the first place.
>
> 73 de Sig, N3RS
>
>
> On Feb 22, 2013, at 11:58 AM, Ron W3ZV wrote:
>
> I am attempting to help a friend rectify a problem with his amplifier. The problem is frequency specific and only occurs on the bottom 50 KHz of 80m. My friend is a 100% CW op and I am willing to bet that he never operates out of the bottom 50 KHz of any band.
>
> His current operating lineup is an FT1000, Acom-2000a, MFJ high power manual tuner and a G5RV. As far as my limited testing goes, the amp operates normally all bands except 80m when operated into a dummy load. The amp operates normally from 3.551MHz through 4.000MHz
>
> In the bottom 50KHz, the amp faults with a Low Gain error and goes into standby. My reading of the manual leads me to believe this is somehow related to the amp's tuner and stored tuning solutions. The method of clearing this error and the difference between DEF and USR in this instance are not immediately clear to me.
>
> 1. How do I redo the tuning to clear this error?
>
> 2. Is it possible and/or advisable to disable the amp's tuner and user the wider range external tuner?
>
> Thanks in advance.
>
> Ron W3ZV
>
> Ron W3ZV
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> Yahoo! Groups Links
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5372. BIAS TOO LOW AT POWER ON: -044V

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-23 00:21:38 UTC
From: D G
Topic: 5369 Message: 5372

Hola Ivan !

My guess is you have at least one defective final amplifier tube, perhaps a component as well, but likely just 1-2 tubes.
If you Google around "ACOM 2000A Bias Too Low", you will find that to be a likely scenario:

http://www.google.com/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=1&ved=0CDIQFjAA&url=http%3A%2F%2Fgroups.yahoo.com%2Fgroup%2Facom-list%2Fmessage%2F3474&ei=pAooUZLhIuWw0AGd24DwCA&usg=AFQjCNHJ1pTzsrVJ9FmQprpeOcqDU-xvUQ&sig2=ygaYZqF5MyId22m84aPpuw&bvm=bv.42768644,d.dmg

http://groups.yahoo.com/group/acom-list/message/2958?o=1&d=-1

http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252

http://groups.yahoo.com/group/acom-list/message/2847

73,

Dennis
N3DG

To: acom-list@yahoogroups.com
From: ea8yg@...
Date: Fri, 22 Feb 2013 19:08:46 +0000
Subject: [acom-list] BIAS TOO LOW AT POWER ON: -044V

Some sugesstion at:

RCU SAY,

BIAS TOO LOW
AT POWER ON: -044V

73?Ivan EA8YG

[Non-text portions of this message have been removed]

5373. Re: [acom-list] BIAS TOO LOW AT POWER ON: -044V

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-23 10:53:34 UTC
From: IVAN
Topic: 5369 Message: 5373

Hola Dennis,
Tnx for helping, I go to check the amp. (Muchas Gracias Dennis ! ahora voy a chquear el amplificador).
73?s Ivan EA8YG

El 23/02/2013 0:21, D G escribi?:
> Hola Ivan !
>
> My guess is you have at least one defective final amplifier tube, perhaps a component as well, but likely just 1-2 tubes.
> If you Google around "ACOM 2000A Bias Too Low", you will find that to be a likely scenario:
>
> http://www.google.com/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=1&ved=0CDIQFjAA&url=http%3A%2F%2Fgroups.yahoo.com%2Fgroup%2Facom-list%2Fmessage%2F3474&ei=pAooUZLhIuWw0AGd24DwCA&usg=AFQjCNHJ1pTzsrVJ9FmQprpeOcqDU-xvUQ&sig2=ygaYZqF5MyId22m84aPpuw&bvm=bv.42768644,d.dmg
>
>
> http://groups.yahoo.com/group/acom-list/message/2958?o=1&d=-1
>
> http://groups.yahoo.com/group/acom-list/msearch?query=bias+too+low&submit=Search&charset=windows-1252
>
> http://groups.yahoo.com/group/acom-list/message/2847
>
> 73,
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> Dennis
> N3DG
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>
>
> To: acom-list@yahoogroups.com
> From: ea8yg@...
> Date: Fri, 22 Feb 2013 19:08:46 +0000
> Subject: [acom-list] BIAS TOO LOW AT POWER ON: -044V
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>
> Some sugesstion at:
>
> RCU SAY,

>
> BIAS TOO LOW
> AT POWER ON: -044V
>
> 73?Ivan EA8YG
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5374. Re: BIAS TOO LOW AT POWER ON: -044V

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-23 21:38:52 UTC
From: Jay Terleski
Topic: 5369 Message: 5374

This problem can be cause by several component failures. I don't have the schematics with me right now, but check.

Zener diode string for the -127V regulation. Some of these may be shorted.

Bias supply diode bridge for shorted or open diodes.

Bias supply electrolytic caps and the cap at the zener string which can go bad.
The bias supply cap can allow huge ripple which will look like low bias error you see.

Hope that helps.
Jay

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

5375. Re: [acom-list] Re: BIAS TOO LOW AT POWER ON: -044V

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-23 21:56:28 UTC
From: IVAN
Topic: 5369 Message: 5375

Tnx very much for helping Jay, I´m checking now the amplifier and all
suggestions are well come.
Best 73´s
Ivan EA8YG

El 23/02/2013 21:38, Jay Terleski escribió:
>
> This problem can be cause by several component failures. I don't have the
> schematics with me right now, but check.
>
> Zener diode string for the -127V regulation. Some of these may be shorted.
>
> Bias supply diode bridge for shorted or open diodes.
>
> Bias supply electrolytic caps and the cap at the zener string which can go
> bad.
> The bias supply cap can allow huge ripple which will look like low bias
> error you see.
>
> Hope that helps.
> Jay
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5376. Acom 1000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-25 16:29:49 UTC
From: howardsh2000
Topic: 4165 Message: 5376

I have decided to down size my station a little and let my Acom 1000 go. This is a great amp as everyone knows and I will sell for $2600. plus part of the shipping cost from PA. Please contact me off list at howardms@lehigh.edu to discuss if you are interested.

5377. operating temps

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-25 19:46:02 UTC
From: Randy
Topic: 5377 Message: 5377

Hi, New to the group and Acom as well. I purchased mint used 1000 and like how quite the babies are. My question is there a operational temp that you all consider a maximun to run at?

Randy WB8ART

5378. RE: [acom-list] operating temps

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-26 12:56:22 UTC
From: Bob Naumann
Topic: 5377 Message: 5378

There is no "optimal" temperature. You should run the amp at no more than 1000 w output, and depending on your environment and how much you transmit, the temperature will vary a bit.

What causes you to ask this question? The amplifier monitors its own temperature so you don't have to.

Bob W5OV
Array Solutions
Acom Distributor North America

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Randy
Sent: Monday, February 25, 2013 1:46 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] operating temps

Hi, New to the group and Acom as well. I purchased mint used 1000 and like how quite the babies are. My question is there a operational temp that you all consider a maximun to run at?

Randy WB8ART

Yahoo! Groups Links

5379. Re: ACOM 1000 goes in autoprotect during switching bandswitch

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-26 13:38:18 UTC
From: Uffe
Topic: 5359 Message: 5379

"SB2B" indicates output relay closed during standby. I'm guessing that the influence of the band switch is mechanical.

I would replace the output relay.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Ger" <ghoogendijk@...> wrote:
>
> Hi All,
> My Acom 1000 developed a strange problem out of the blue.
> Here is the situation: when Amp has been powered on after 3 min heating time and when I switch from 14 Mhz to 18-21 Mhz, its goes in auto-protect SB2B. Amp is still in standby (oper switch not engaged) When I engage the oper switch, I can switch bands without immediately going in SB2B auto-protect but after 2-3 switching it goes.In standby it immediately goes in auto-protect when changing the band switch. I tried this with en without PTT line connected: same results. Apart from this weird failure the Acom works fine on all bands:more then a 1 K output. Also I tried this when the Amp is still heating up and at the moment I switch the band switch, beng auto protect SB2B.
> Anyone any idea where to look?
>
> Thanks, Ger PE1CZG
>

5380. Re: operating temps

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-27 02:50:49 UTC
From: Randy
Topic: 5377 Message: 5380

Hi Bob, thanks for the response. I see the book says you can operate at full power rtty with like 15 mins on with 3 mins off time without adding the optional fan. My running without being close to full power, the temps shoot way up in comparision to the SSB & CW modes which is expected. So I just looking at what maybe considered a safe level of operation in RTTY by the exhaust temp.

Randy

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> There is no "optimal" temperature. You should run the amp at no more than
> 1000 w output, and depending on your environment and how much you transmit,
> the temperature will vary a bit.
>
> What causes you to ask this question? The amplifier monitors its own
> temperature so you don't have to.
>
>
> Bob W5OV
> Array Solutions
> Acom Distributor North America
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Randy
> Sent: Monday, February 25, 2013 1:46 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] operating temps
>
> Hi, New to the group and Acom as well. I purchased mint used 1000 and like
> how quite the babies are. My question is there a operational temp that you
> all consider a maximun to run at?
>
> Randy WB8ART
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>

5381. Re: [acom-list] Re: operating temps

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-27 03:52:06 UTC
From: Paul M Dunphy
Topic: 5377 Message: 5381

On 2/26/2013 10:50 PM, Randy wrote:
> Hi Bob, thanks for the response. I see the book says you can operate at full power rtty with like 15 mins on with 3 mins off time without adding the optional fan. My running without being close to full power, the temps shoot way up in comparision to the SSB & CW modes which is expected. So I just looking at what maybe considered a safe level of operation in RTTY by the exhaust temp.
>
> Randy
>

Hi Randy,

As Bob says, the cooling takes care of itself (via a variable speed fan.) If you are looking for absolute values, my ACOM-1000 idles around 38-40?C. Under heavy use I've seen it at 80-85?C for short times. As soon as you stop transmitting, because the fan is going quite fast, my temperature drops down to the 38-40?C range in 60-80 seconds.

These numbers and the rate of drop can vary for several reasons. These include the ambient temperature in the shack, circulation around the amp, etc. Keeping the rear dust filter clean can cause these numbers to vary by 5?C or more. I think what Bob is saying is that regardless of the absolute numbers, you can be confident ACOM's sensors coupled with the variable speed fan will keep the tube well within the temperature specifications.

Bottom line -- don't be concerned about exact numbers. Find your idle and max transmit temperatures and note them. They should stay fairly constant within your range. If something goes really wrong, they will change a lot and you'll need to investigate why.

It's also a good idea to vacuum your fan filter on the rear about once a month.

73, Paul VE1DX

5382. Re: operating temps

Yahoo group: acom-list (2010 — 2016)
Date: 2013-02-27 18:41:05 UTC
From: Randy
Topic: 5377 Message: 5382

Great Paul, Great, I will look at it more that way and noting the temps and long term keeping track of them makes sense to me. I thank you for the great response and will give it a go. Thanks Paul and gud dx.

Randy

--- In acom-list@yahoogroups.com, Paul M Dunphy <amplifier@...> wrote:
>
> On 2/26/2013 10:50 PM, Randy wrote:
> > Hi Bob, thanks for the response. I see the book says you can operate at full power rtty with like 15 mins on with 3 mins off time without adding the optional fan. My running without being close to full power, the temps shoot way up in comparision to the SSB & CW modes which is expected. So I just looking at what maybe considered a safe level of operation in RTTY by the exhaust temp.
> >
> > Randy
> >
>
> Hi Randy,
>
> As Bob says, the cooling takes care of itself (via a variable speed
> fan.) If you are looking for absolute values, my ACOM-1000 idles around
> 38-40°C. Under heavy use I've seen it at 80-85°C for short times. As
> soon as you stop transmitting, because the fan is going quite fast, my
> temperature drops down to the 38-40°C range in 60-80 seconds.
>
> These numbers and the rate of drop can vary for several reasons.
> These include the ambient temperature in the shack, circulation around
> the amp, etc. Keeping the rear dust filter clean can cause these
> numbers to vary by 5°C or more. I think what Bob is saying is that
> regardless of the absolute numbers, you can be confident ACOM's sensors
> coupled with the variable speed fan will keep the tube well within the
> temperature specifications.
>
> Bottom line -- don't be concerned about exact numbers. Find your
> idle and max transmit temperatures and note them. They should stay
> fairly constant within your range. If something goes really wrong, they
> will change a lot and you'll need to investigate why.
>
> It's also a good idea to vacuum your fan filter on the rear about
> once a month.
>
> 73, Paul VE1DX
>

5383. Acom 1000 Plate Current fault

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-03 11:33:31 UTC
From: g3xrj
Topic: 5383 Message: 5383

Amp was idling and 30mins after last QSO - went to fault condition flashing red power light.
Auto Protection PR06
Fault codes
1APR06 000500 000039
1BA49A 67s0DC D77F95

Did the simple thing first and changed the tube.
Same fault codes produced.

Checked Bias during warmup and voltage at R16 is -116v

I had previously checked the bias volts at R16 during normal operation and found them to be -157 key up and -134 key down.
I checked this because during the last two years I've had to adjust the bias volts to bring the Plate current within spec. on three occasions.

Questions I have
1. Should the bias volts at R16 be normal ie -157v during warmup.
2. If normal bias volts are not available during warmup - how should I proceed.
Any pointers please.

John G3XRJ

5384. Re: Acom 1000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-04 20:31:36 UTC
From: howardsh2000
Topic: 4165 Message: 5384

The amp has been sold. I am sure that I will regret it and buy another one!

--- In acom-list@yahoogroups.com, "howardsh2000" <howardsh2000@...> wrote:
>
> I have decided to down size my station a little and let my Acom 1000 go. This is a great amp as everyone knows and I will sell for $2600. plus part of the shipping cost from PA. Please contact me off list at howardms@... to discuss if you are interested.
>

5385. Re: [acom-list] Re: Acom 1000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-04 20:45:49 UTC
From: John Peters
Topic: 4165 Message: 5385

Get the ACOM 2000 it is a better amp.

John K1ER
----- Original Message -----
From: howardsh2000
To: acom-list@yahoogroups.com
Sent: Monday, March 04, 2013 10:31 AM
Subject: [acom-list] Re: Acom 1000 for sale

The amp has been sold. I am sure that I will regret it and buy another one!

--- In acom-list@yahoogroups.com, "howardsh2000" wrote:
>
> I have decided to down size my station a little and let my Acom 1000 go. This is a great amp as everyone knows and I will sell for $2600. plus part of the shipping cost from PA. Please contact me off list at howardms@... to discuss if you are interested.
>

[Non-text portions of this message have been removed]

5386. Plate choke burned!!!

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-05 22:56:04 UTC
From: Ricardo Navarrete
Topic: 5386 Message: 5386

Hello,
This evenning the plate choke of my 1011 has die!!!!

I'm looking for a replacemente

Where can I find it???

RFC1 160uH PLATE CHOKE

Thanks

--
EA4ZK Ricardo Navarrete
ricardoea4zk@...
*
*
CWops : 1070
*POR FAVOR, SI VAS A REENVIAR ESTE CORREO, TEN EN CUENTA LOS SIGUIENTES PUNTOS:
1.- Borra la dirección e-mail del remitente así como cualquier otra dirección e-mail que aparezca en el cuerpo del mensaje.
2.- Protege frente a terceros a todos los destinatarios de tus mensajes colocando sus direcciones en la línea de CCO (Con Copia Oculta).
*
Combatir el spam es tarea de todos.
Gracias por tu colaboración.

[Non-text portions of this message have been removed]

5387. Too much incoming Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 02:40:06 UTC
From: aivers30868@...
Topic: 5387 Message: 5387

Hello

I am having the ''heater light"" come on blinks frequently, (ACOM 2000A AMP) not constant, but blinks. The issue I believe is the INCOMING MAINS VOLTAGE. We here in the island of Grand Cayman have very poor electrical regulation of voltage. When I checked the ''MAINS VOLTAGE'' when the ""heater lite"" comes on it is running 256V.. !!, Anyway the electric Company is reluctant to do much about it

***WILL IT HURT THE AMPLIFIER?
***WHAT CAN I DO TO STOP THIS?

help!!! ACOM?

JOE, ZF2AH (W6VNR)

5388. Re: [acom-list] Too much incoming Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 02:53:44 UTC
From: Joel Kornreich
Topic: 5387 Message: 5388

*Regarding your ACOM 2000A.....Allow me to give you what I believe to be the correct solution. First off, check the line voltage and compare it to the RCU voltage indicators on the display. Sometmes the PR13 pot in the Acom 2000 is not set correctly and the heater lite comes on. This voltage must reflect how the pot is set up. The heater indicator lite will not hurt the amplifier as it's not wired up to any default circuit. Second thing you may want to look at in your Acom manual is setting the input voltage to the proper position next to the transformer. Joel, K2QBV *

On Tue, Mar 5, 2013 at 9:40 PM, <aivers30868@...> wrote:

> **
>
>
> Hello
>
> I am having the ''heater light"" come on blinks frequently, (ACOM 2000A
> AMP) not constant, but blinks. The issue I believe is the INCOMING MAINS
> VOLTAGE. We here in the island of Grand Cayman have very poor electrical
> regulation of voltage. When I checked the ''MAINS VOLTAGE'' when the
> ""heater lite"" comes on it is running 256V.. !!, Anyway the electric
> Company is reluctant to do much about it
>
> ***WILL IT HURT THE AMPLIFIER?
> ***WHAT CAN I DO TO STOP THIS?
>
> help!!! ACOM?
>
> JOE, ZF2AH (W6VNR)
>
>
>

[Non-text portions of this message have been removed]

5389. RE: [acom-list] Too much incoming Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 03:02:48 UTC
From: Ron Castro
Topic: 5387 Message: 5389

256 VAC is a bit high, but you might want to measure it with a known good meter before jumping to conclusions. The voltage measurement circuit in my 2000A drifted over a period of years, and I saw excessive mains voltage and the heater light blinking, but after a recalibration at Array Solutions, the problem stopped.

If you're sure the mains voltage is really too high, you should keep an eye on the filament voltage since it's the only one that can significantly shorten tube life. It should not be less than 11.9 V or more than 13.3 V. Here is a link to the factory specs on the GU74b:

http://www.nd2x.net/gu74b.html

Ron Castro
N6IE
www.N6IE.com

Member:
ARRL
Redwood Empire DX Assn.
Northern California Contest Club
Northern California DX Foundation

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of aivers30868@...
Sent: Tuesday, March 5, 2013 6:40 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Too much incoming Voltage

Hello

I am having the ''heater light"" come on blinks frequently, (ACOM 2000A AMP) not constant, but blinks. The issue I believe is the INCOMING MAINS VOLTAGE. We here in the island of Grand Cayman have very poor electrical regulation of voltage. When I checked the ''MAINS VOLTAGE'' when the ""heater lite"" comes on it is running 256V.. !!, Anyway the electric Company is reluctant to do much about it

***WILL IT HURT THE AMPLIFIER?
***WHAT CAN I DO TO STOP THIS?

help!!! ACOM?

JOE, ZF2AH (W6VNR)

Yahoo! Groups Links

5390. Re: [acom-list] Too much incoming Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 04:34:06 UTC
From: W5OV@...
Topic: 5387 Message: 5390

Joe,

The amplifier is able to operate with higher line voltage like you have and the blinking indicates that you're getting close to the upper limit - and you are. The upper limit (by design) is 264v (+ 10%).

You should be on the highest transformer tap, which is the 240v tap.

Also, in the manual, it describes how you can adjust the amplifier's monitoring circuit to accommodate this through the "OFF" Menu:

<Begin Manual Quote>

5-6. DEF (Defaults)

In this sub-menu you can vary the operating mode of the amplifier to cope with abnormal mains voltage, set the local network self address of the amplifier, and change the antenna selection mode. Once DEF has been selected, the 3 sub-menus are reached sequentially by pressing "ENT" to step through them.
a) After selecting DEF, the first time you press the "ENT" button you will access the MAINS VOLTAGE function:

MAINS VOLTAGE
LOW [NORMAL] HIGH

N O T E: Inappropriate use of this function may reduce the gain or the maximum undistorted output power.

At constantly lower or higher mains voltage you can declare this to the amplifier. The information is taken into account for the preparation of the next USR-tunings. Selection is done by the "<" and ">" buttons. Pressing the "ENT" button confirms the choice selected, while "ESC" preserves the previous parameter.

<End Manual Quote>

The "OFF" Menu is accessible while the Main switch on the amplifier chassis is on and the RCU is "dark" or when you have not yet pressed the red "ON OFF" button on the RCU yet to begin the warm-up period.

73,

Bob W5OV
Array Solutions
Acom North America Distributor

> Hello
>
> I am having the ''heater light"" come on blinks frequently, (ACOM 2000A
> AMP) not constant, but blinks. The issue I believe is the INCOMING MAINS
> VOLTAGE. We here in the island of Grand Cayman have very poor electrical
> regulation of voltage. When I checked the ''MAINS VOLTAGE'' when the
> ""heater lite"" comes on it is running 256V.. !!, Anyway the electric
> Company is reluctant to do much about it
>
> ***WILL IT HURT THE AMPLIFIER?
> ***WHAT CAN I DO TO STOP THIS?
>
> help!!! ACOM?
>
>
> JOE, ZF2AH (W6VNR)
>
>
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> Yahoo! Groups Links
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5391. Re: [acom-list] Too much incoming Voltage

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 12:33:33 UTC
From: Joel Kornreich
Topic: 5387 Message: 5391

I left something out of my last posting concerning the Acom 2000A. The amplifier will reset at 258 volts as a safety and that number is the top limit. Again, the RP13 setting is a very small pot located on the vertical board facing the front and right near the little memory battery. Setting this pot will get rid of the flashing heater lite.....Good luck with the unit.....Joel, K2QBV

On Tue, Mar 5, 2013 at 10:02 PM, Ron Castro <ronc@...> wrote:

> **
>
>
> 256 VAC is a bit high, but you might want to measure it with a known good
> meter before jumping to conclusions. The voltage measurement circuit in my
> 2000A drifted over a period of years, and I saw excessive mains voltage and
> the heater light blinking, but after a recalibration at Array Solutions,
> the problem stopped.
>
> If you're sure the mains voltage is really too high, you should keep an
> eye on the filament voltage since it's the only one that can significantly
> shorten tube life. It should not be less than 11.9 V or more than 13.3 V.
> Here is a link to the factory specs on the GU74b:
>
> http://www.nd2x.net/gu74b.html
>
> Ron Castro
> N6IE
> www.N6IE.com
>
> Member:
> ARRL
> Redwood Empire DX Assn.
> Northern California Contest Club
> Northern California DX Foundation
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of aivers30868@...
> Sent: Tuesday, March 5, 2013 6:40 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Too much incoming Voltage
>
> Hello
>

> I am having the ''heater light"" come on blinks frequently, (ACOM 2000A
> AMP) not constant, but blinks. The issue I believe is the INCOMING MAINS
> VOLTAGE. We here in the island of Grand Cayman have very poor electrical
> regulation of voltage. When I checked the ''MAINS VOLTAGE'' when the
> ""heater lite"" comes on it is running 256V.. !!, Anyway the electric
> Company is reluctant to do much about it
>
> ***WILL IT HURT THE AMPLIFIER?
> ***WHAT CAN I DO TO STOP THIS?
>
> help!!! ACOM?
>
> JOE, ZF2AH (W6VNR)
>
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5392. Acom 1000: 4.7V Zener on HV Board

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 12:43:04 UTC
From: Dean
Topic: 5392 Message: 5392

My Acom 1000 has been coming on with a PN07 fault which is an indication of the absence of HV (as measured). After some troubleshooting, I suspect that a defective Zener diode may be causing the problem in the metering (HVi) circuitry.

Having tried to find a replacement diode on island, I can only find a replacement rated for 0.5W while the diode is rated for 1.2W.

Can anyone say whether it would make any sense replacing this diode with the smaller one? I would normally not even ask but am hoping that I might be able to get away with it even for a short while to determine that this solves the problem or whether I might have a transformer problem.

Essentially the PN07 error comes on and the 2 slow blow fuses in the step/start circuit are blown on power up. initially I thought it might just have been the fuses, but they blew when replaced leading me to look at D6 on the HV circuit.

Any help or comments would be appreciated. Shipping the unit back to Acom is always an expensive undertaking from 8P.

Regards,

Dean - 8P6SH

5393. G2 voltage too high error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 21:50:04 UTC
From: jeffh7@bellsouth.net
Topic: 5393 Message: 5393

After doing the inital warm up on my Acom 2000A, I get this message when changing from standby to tune, or when trying to tune directly. The voltage given varies between 58 and 60V. I am using the new RCU unit. Any thoughts

Jeff N4WZ

5394. Re: [acom-list] G2 voltage too high error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-06 22:31:06 UTC
From: Joel Kornreich
Topic: 5393 Message: 5394

Possibility of one of the GU74B. How many hours on your tubes? PS Just purchased the new RCU. Joel, K2QBV

==========

On Wed, Mar 6, 2013 at 4:50 PM, jeffh7@... <astrojeff@...> wrote:

> **
>
>
> After doing the inital warm up on my Acom 2000A, I get this message when
> changing from standby to tune, or when trying to tune directly. The voltage
> given varies between 58 and 60V. I am using the new RCU unit. Any thoughts
>
> Jeff N4WZ
>
>
>

[Non-text portions of this message have been removed]

5395. Re: [acom-list] G2 voltage too high error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-07 02:15:16 UTC
From: aivers30868@...
Topic: 5393 Message: 5395

Hi asll

I HAVE SAME/SIMILAR ISSUE.....

I HAVE THE ''HEATER LIGHT'' COMNG ON --BLINKING A LOT WHEN I AM OPERATING AND NOT OPERATING, THE HEATER LIGHT,,,,, I CHECKED THE INCOMING LINE VOLTAGE..... IT IS READING 256V IN, I KNOW THAT IS A LOT, IS THIS DAMAGE TO AMP?, IGNORE?, WHAT DO I DO.? I DO NOT THINK THE POWER COMPANY HERE WILL DO ANYTHING TO LOWER THE INCOMING VOLTAGE,,, DO

JOE, ZF2AH

-----Original Message-----
>From: Joel Kornreich <k2qbv2@...>
>Sent: Mar 6, 2013 5:31 PM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] G2 voltage too high error
>
>Possibility of one of the GU74B. How many hours on your tubes? PS Just
>purchased the new RCU. Joel, K2QBV
>==================================
>
>On Wed, Mar 6, 2013 at 4:50 PM, jeffh7@... <
>astrojeff@...> wrote:
>
>> **
>>
>>
>> After doing the inital warm up on my Acom 2000A, I get this message when
>> changing from standby to tune, or when trying to tune directly. The voltage
>> given varies between 58 and 60V. I am using the new RCU unit. Any thoughts
>>
>> Jeff N4WZ
>>
>>
>>
>
>
>[Non-text portions of this message have been removed]
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>
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>------------------------------------
>
>Yahoo! Groups Links
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>

5396. Re: Acom 1000: 4.7V Zener on HV Board

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-07 05:17:55 UTC
From: Steve
Topic: 5392 Message: 5396

Dean,
I lost the 4.7V zener last year in the HV voltage sampling circuit. However it does not cause fuses to blow. I suggest you email Acom Bulgaria (Stan), they will help you find the cause. Please advise the group what the issue was when its resolved. I hope its not the HV transformer as whilst its not hard to replace its very expensive.

Best 73,

Steve G8LIK

5397. Re: G2 voltage too high error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-07 13:56:16 UTC
From: jeffh7@bellsouth.net
Topic: 5393 Message: 5397

Thanks for your input. The unit is under warranty, so I have sent it off today to Array Solutions. They suggested that I check a few resistors which checked out fine. I am using the new RCU. I hooked up the older style RCU and got a similar error message, but the voltage given was 410 or 430V rather that the 60V stated by the newer RCU. I want them to check the CAT in the new RCU since I am getting a lot of band hopping using the CVI connection with my ICOM 7700.

Jeff

--- In acom-list@yahoogroups.com, aivers30868@... wrote:
>
> Hi asll
>
> I HAVE SAME/SIMILAR ISSUE.............
>
> I HAVE THE ''HEATER LIGHT'' COMNG ON --BLINKING A LOT WHEN I AM OPERATING AND NOT OPERATING, THE HEATER LIGHT,,,,, I CHECKED THE INCOMING LINE VOLTAGE..... IT IS READING 256V IN, I KNOW THAT IS A LOT, IS THIS DAMAGE TO AMP?, IGNORE?, WHAT DO I DO.? I DO NOT THINK THE POWER COMPANY HERE WILL DO ANYTHING TO LOWER THE INCOMING VOLTAGE,,, DO
>
> JOE, ZF2AH
>
>
>
> -----Original Message-----
> >From: Joel Kornreich <k2qbv2@...>
> >Sent: Mar 6, 2013 5:31 PM
> >To: acom-list@yahoogroups.com
> >Subject: Re: [acom-list] G2 voltage too high error
> >
> >Possibility of one of the GU74B. How many hours on your tubes? PS Just
> >purchased the new RCU. Joel, K2QBV
> >==================================
> >
> >On Wed, Mar 6, 2013 at 4:50 PM, jeffh7@... <
> >astrojeff@...> wrote:
> >
> >> **
> >>
> >>
> >> After doing the inital warm up on my Acom 2000A, I get this message when
> >> changing from standby to tune, or when trying to tune directly. The voltage
> >> given varies between 58 and 60V. I am using the new RCU unit. Any thoughts
> >>
> >> Jeff N4WZ

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> >
> >[Non-text portions of this message have been removed]
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> >Yahoo! Groups Links
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5398. Re: G2 voltage too high error & CI-V problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-07 21:55:22 UTC
From: Ralph
Topic: 5393 Message: 5398

Jeff,
If you have the 7700, 2000A & PC hooked up on same CI-V, all in parallel such as with CT-17, that is the cause of your band hoping. One thing you can try is to remove the connection to Pin 3 on the new RCU DB-15 connector. That will stop the 2000A from polling the 7700. Just the logging program should poll. The real cure is the Microham units that have the separate dedicated CI-V output, originally for the PW-1 but works with most computer connected amps including the 2000A. But it is still advised to not connect that Pin 3 on the new RCU DB-15. Also with the Microham you do not need the two resistors per the ACOM diagram.
Been through it with Val at ACOM.

W1ZK

--- In acom-list@yahoogroups.com, "jeffh7@..." <astrojeff@...> wrote:
>
>
> Thanks for your input. The unit is under warranty, so I have sent it off today to Array Solutions. They suggested that I check a few resistors which checked out fine. I am using the new RCU. I hooked up the older style RCU and got a similar error message, but the voltage given was 410 or 430V rather that the 60V stated by the newer RCU. I want them to check the CAT in the new RCU since I am getting a lot of band hopping using the CVI connection with my ICOM 7700.
>
> Jeff
>
> --- In acom-list@yahoogroups.com, aivers30868@ wrote:
> >
> > Hi asll
> >
> > I HAVE SAME/SIMILAR ISSUE.............
> >
> > I HAVE THE ''HEATER LIGHT'' COMNG ON --BLINKING A LOT WHEN I AM OPERATING AND NOT OPERATING, THE HEATER LIGHT,,,,, I CHECKED THE INCOMING LINE VOLTAGE..... IT IS READING 256V IN, I KNOW THAT IS A LOT, IS THIS DAMAGE TO AMP?, IGNORE?, WHAT DO I DO.? I DO NOT THINK THE POWER COMPANY HERE WILL DO ANYTHING TO LOWER THE INCOMING VOLTAGE,,, DO
> >
> > JOE, ZF2AH
> >
> >
> >
> > -----Original Message-----
> > >From: Joel Kornreich <k2qbv2@>
> > >Sent: Mar 6, 2013 5:31 PM
> > >To: acom-list@yahoogroups.com
> > >Subject: Re: [acom-list] G2 voltage too high error

> > >
> > >Possibility of one of the GU74B. How many hours on your tubes? PS Just
> > >purchased the new RCU. Joel, K2QBV
> > >==========
> > >
> > >On Wed, Mar 6, 2013 at 4:50 PM, jeffh7@ <
> > >astrojeff@> wrote:
> > >
> > >> **
> > >>
> > >>
> > >> After doing the inital warm up on my Acom 2000A, I get this message when
> > >> changing from standby to tune, or when trying to tune directly. The voltage
> > >> given varies between 58 and 60V. I am using the new RCU unit. Any thoughts
> > >>
> > >> Jeff N4WZ
> > >>
> > >>
> > >>
> > >
> > >
> > >[Non-text portions of this message have been removed]
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> > >Yahoo! Groups Links
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5399. Re: Acom 1000 Plate Current fault

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-07 22:12:56 UTC
From: g3xrj
Topic: 5383 Message: 5399

With the help of Val from Acom fault traced to D3 on grid input board.
Now replaced and all is good.

73

John G3XRJ
>
> Amp was idling and 30mins after last QSO - went to fault condition flashing red power light.
> Auto Protection PR06
> Fault codes
> 1APR06 000500 000039
> 1BA49A 67s0DC D77F95
>
> Did the simple thing first and changed the tube.
> Same fault codes produced.
>
> Checked Bias during warmup and voltage at R16 is -116v
>
> I had previously checked the bias volts at R16 during normal operation and found them to be -157 key up and -134 key down.
> I checked this because during the last two years I've had to adjust the bias volts to bring the Plate current within spec. on three occasions.
>
> Questions I have
> 1. Should the bias volts at R16 be normal ie -157v during warmup.
> 2. If normal bias volts are not available during warmup - how should I proceed.
> Any pointers please.
>
> John G3XRJ
>

5400. RCU lights out

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-09 14:50:40 UTC
From: Steve Tripp (K1IIG)
Topic: 5393 Message: 5400

Before I open it up, anyone have suggestions on how to change the lamps in the RCU?
Thanks,
Steve K1IIG

[Non-text portions of this message have been removed]

5402. Re: [acom-list] Re: Acom 1000: 4.7V Zener on HV Board

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-10 02:22:42 UTC
From: Dean St. Hill
Topic: 5392 Message: 5402

Thanks Steve

I took your advice and so far making some progress. Acom Bulgaria advised me to disconnect the 340V and 120V supply from the main board - JP2 and it started up OK - which means the fault is in either of these circuits.

When I measure the resistance across these terminals JP2:1 &3 and JP2:6 & 8 - from your knowledge of the circuitry - surely i should get an open circuit reading? The capicitors C28 and C18 are basically across these terminals along with the full wave rectifiers for the 120 and 305V supply circuit (Grid and bias I think) - Instead on the circuit I get a realatively high 1.5M ohm resistance which increases rapidly to open circuit reading.

So I believe I have some kind of leaky capacitor across the 305V supply - nut am not sure how this would translate into a HV problem.

When I disconnected JP2, the amp started up and went through its countdown sequence. Naturally I would not have transmitted as the tube did not have bias or grid voltages.

Any thoughts?? I am just being impatient as I am awaiting a response from Acom on my strange resistance readings. I guess Acom will respond on Monday.

I am also very suspicious that the first set of slow blow fuses were not genuine slow blow fuses as well which may have caused them to blow again.

Originally I had the amp on for the week-end of some contest and left it idling to bring the tube temp down before turning off. I ended up with it unattended for a while and when I returned it had this PN07 error. When I physically checked, the fuses were blown so changed them with this set that looked like normal but the packaging said slow blow - purchased from an electrical hardware store while the current ones are from an electronics store. Maybe I should just fire it up again...

Regards and 73's

Dean - 8P6SH

nd

On Thu, Mar 7, 2013 at 1:17 AM, Steve <stevehurstg8lik2003@...>wrote:

> **
>
>
>
>

> Dean,
> I lost the 4.7V zener last year in the HV voltage sampling circuit.
> However it does not cause fuses to blow. I suggest you email Acom Bulgaria
> (Stan), they will help you find the cause. Please advise the group what the
> issue was when its resolved. I hope its not the HV transformer as whilst
> its not hard to replace its very expensive.
>
> Best 73,
>
> Steve G8LIK
>
>
>

--
Dean St.Hill
*
*
*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*
dmsthill@...

[Non-text portions of this message have been removed]

5403. Re: [acom-list] Re: Acom 1000: 4.7V Zener on HV Board

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-10 13:09:22 UTC
From: briana
Topic: 5392 Message: 5403

Dean,

On the contrary, the ohmmeter readings you quote indicates that the capacitors are probably good.

Here's the scenerio: When the cap is fully discharged and you apply a voltage to it, it draws a large current while trying to charge. To the ohmmeter this looks like a low resistance. At full charge, it is not drawing any current thus looks infinite to a voltmeter.

So look beyond the caps for the problem.

I'd have to look at the circuit diagram to see why the reading starts at 1.5 meg. There may be some kind of series resistor in the circuit.

73 de Brian/K3KO

On 3/9/2013 9:22 PM, Dean St. Hill wrote:
> Thanks Steve
>
> I took your advice and so far making some progress. Acom Bulgaria advised
> me to disconnect the 340V and 120V supply from the main board - JP2 and it
> started up OK - which means the fault is in either of these circuits.
>
> When I measure the resistance across these terminals JP2:1 &3 and JP2:6 & 8
> - from your knowledge of the circuitry - surely i should get an open
> circuit reading? The capicitors C28 and C18 are basically across these
> terminals along with the full wave rectifiers for the 120 and 305V supply
> circuit (Grid and bias I think) - Instead on the circuit I get a
> realatively high 1.5M ohm resistance which increases rapidly to open
> circuit reading.
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> So I believe I have some kind of leaky capacitor across the 305V supply -
> nut am not sure how this would translate into a HV problem.
>
> When I disconnected JP2, the amp started up and went through its countdown
> sequence. Naturally I would not have transmitted as the tube did not have
> bias or grid voltages.
>
> Any thoughts?? I am just being impatient as I am awaiting a response from
> Acom on my strange resistance readings. I guess Acom will respond on Monday.
>
> I am also very suspicious that the first set of slow blow fuses were not
> genuine slow blow fuses as well which may have caused them to blow again.
>
> Originally I had the amp on for the week-end of some contest and left it

> idling to bring the tube temp down before turning off. I ended up with it
> unattended for a while and when I returned it had this PN07 error. When I
> physically checked, the fuses were blown so changed them with this set that
> looked like normal but the packaging said slow blow - purchased from an
> electrical hardware store while the current ones are from an electronics
> store. Maybe I should just fire it up again...
>
>
> Regards and 73's
>
> Dean - 8P6SH
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> On Thu, Mar 7, 2013 at 1:17 AM, Steve <stevehurstg8lik2003@...>wrote:
>
>> **
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>> Dean,
>> I lost the 4.7V zener last year in the HV voltage sampling circuit.
>> However it does not cause fuses to blow. I suggest you email Acom Bulgaria
>> (Stan), they will help you find the cause. Please advise the group what the
>> issue was when its resolved. I hope its not the HV transformer as whilst
>> its not hard to replace its very expensive.
>>
>> Best 73,
>>
>> Steve G8LIK
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>

5404. Re: [acom-list] Re: Acom 1000: 4.7V Zener on HV Board

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-10 17:25:48 UTC
From: Dean St. Hill
Topic: 5392 Message: 5404

Thanks Brian

Good point. Makes sense to me. I get quite edgy anytime I open up an amp so anything is possible but thanks for your input. That's consistent with known good HV circuit which i've subjected to similar tests. Seems to me all the three PS circuits (2050V, 120V and 305V exhibit similar behavior.. albeit with slightly different specific numbers. All the diodes too (tested in circuit) appear to be fine.

Oh well I'll just wait and see what Acom suggests. I'm very suspicious of those first set of replacement Slow blow fuses though. Hopefully the only original issue was a pair of blown fuses maybe a bit of a surge or something, followed by their replacement with suspected fast-blow fuses, being sold as slow-blow which of course blew immediately.

Fingers crossed.

Regards,

Dean - 8P6SH

On Sun, Mar 10, 2013 at 9:09 AM, briana <alsopb@...> wrote:

> **
>
>
> Dean,
>
> On the contrary, the ohmmeter readings you quote indicates that the
> capacitors are probably good.
>
> Here's the scenerio: When the cap is fully discharged and you apply a
> voltage to it, it draws a large current while trying to charge. To the
> ohmmeter this looks like a low resistance. At full charge, it is not
> drawing any current thus looks infinite to a voltmeter.
>
> So look beyond the caps for the problem.
>
> I'd have to look at the circuit diagram to see why the reading starts at
> 1.5 meg. There may be some kind of series resistor in the circuit.
>
> 73 de Brian/K3KO
>
>
> On 3/9/2013 9:22 PM, Dean St. Hill wrote:
> > Thanks Steve
> >

> > I took your advice and so far making some progress. Acom Bulgaria advised
> > me to disconnect the 340V and 120V supply from the main board - JP2 and
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> > started up OK - which means the fault is in either of these circuits.
> >
> > When I measure the resistance across these terminals JP2:1 &3 and JP2:6
> & 8
> > - from your knowledge of the circuitry - surely i should get an open
> > circuit reading? The capicitors C28 and C18 are basically across these
> > terminals along with the full wave rectifiers for the 120 and 305V supply
> > circuit (Grid and bias I think) - Instead on the circuit I get a
> > realatively high 1.5M ohm resistance which increases rapidly to open
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> > So I believe I have some kind of leaky capacitor across the 305V supply -
> > nut am not sure how this would translate into a HV problem.
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> countdown
> > sequence. Naturally I would not have transmitted as the tube did not have
> > bias or grid voltages.
> >
> > Any thoughts?? I am just being impatient as I am awaiting a response from
> > Acom on my strange resistance readings. I guess Acom will respond on
> Monday.
> >
> > I am also very suspicious that the first set of slow blow fuses were not
> > genuine slow blow fuses as well which may have caused them to blow again.
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> > Originally I had the amp on for the week-end of some contest and left it
> > idling to bring the tube temp down before turning off. I ended up with it
> > unattended for a while and when I returned it had this PN07 error. When I
> > physically checked, the fuses were blown so changed them with this set
> that
> > looked like normal but the packaging said slow blow - purchased from an
> > electrical hardware store while the current ones are from an electronics
> > store. Maybe I should just fire it up again...
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> > Regards and 73's
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> > Dean - 8P6SH
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> > On Thu, Mar 7, 2013 at 1:17 AM, Steve <stevehurstg8lik2003@...
> >wrote:
> >
> >> **
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> >> Dean,
> >> I lost the 4.7V zener last year in the HV voltage sampling circuit.
> >> However it does not cause fuses to blow. I suggest you email Acom
> Bulgaria
> >> (Stan), they will help you find the cause. Please advise the group what
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> >> issue was when its resolved. I hope its not the HV transformer as whilst
> >> its not hard to replace its very expensive.
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> >> Best 73,
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> >> Steve G8LIK
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Dean St.Hill
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246-266-8230
246-416-5277
*
*
dmsthill@...

[Non-text portions of this message have been removed]

5406. RE: [acom-list] Selling my Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-11 23:27:05 UTC
From: Chris and Susie
Topic: 5405 Message: 5406

Steve this list is world wide so you may wish to put your call

Regards Chris VK3BUZ

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Steve
Sent: Tuesday, 12 March 2013 10:02 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Selling my Acom

Selling my Acom 1000 4 months old with maybe 2 hrs of talk time.
Decided to go with a PW1 to match my Icom equipment.
This amp is in like new condition with all original manual and
Box and packing. They are great amps .

$2700 shipped.

Steve

[Non-text portions of this message have been removed]

5407. Re: Selling my Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-15 00:47:41 UTC
From: Steve
Topic: 5405 Message: 5407

I deleted it the message.

Steve

--- In acom-list@yahoogroups.com, "Chris and Susie" <VHMUM@...> wrote:
>
> Steve this list is world wide so you may wish to put your call
>
>
>
> Regards Chris VK3BUZ
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of Steve
> Sent: Tuesday, 12 March 2013 10:02 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Selling my Acom
>
>
>
>
>
> Selling my Acom 1000 4 months old with maybe 2 hrs of talk time.
> Decided to go with a PW1 to match my Icom equipment.
> This amp is in like new condition with all original manual and
> Box and packing. They are great amps .
>
> $2700 shipped.
>
> Steve
>
>
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> [Non-text portions of this message have been removed]
>

5408. Re: [acom-list] Re: Selling my Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-15 02:03:38 UTC
From: Dick Flanagan
Topic: 5405 Message: 5408

I mean no offense, Steve, but what is yourcall sign? It is always fun
to see if I have worked someone who posts on some of the same lists I am
on, but more to the immediate issue it gives all of us some insight into
what half of the shipping charges might amount to.

Dick

--
Dick Flanagan K7VC
dick@...

On 3/14/2013 5:47 PM, Steve wrote:
> I deleted it the message.
>
>
> Steve
>
>
> --- In acom-list@yahoogroups.com, "Chris and Susie" <VHMUM@...> wrote:
>> Steve this list is world wide so you may wish to put your call
>>
>>
>>
>> Regards Chris VK3BUZ
>>
>>
>>
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
>> Of Steve
>> Sent: Tuesday, 12 March 2013 10:02 AM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Selling my Acom
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>>
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>>
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>> Decided to go with a PW1 to match my Icom equipment.
>> This amp is in like new condition with all original manual and
>> Box and packing. They are great amps .
>>
>> $2700 shipped.
>>
>> Steve
>>

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>> [Non-text portions of this message have been removed]
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5409. RE: [acom-list] Re: Selling my Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-16 11:21:19 UTC
From: Bob Naumann
Topic: 5405 Message: 5409

His call was on the original email listing the amp for sale - W1SWR.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Dick Flanagan
Sent: Thursday, March 14, 2013 9:04 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Selling my Acom

I mean no offense, Steve, but what is yourcall sign? It is always fun to see if I have worked someone who posts on some of the same lists I am on, but more to the immediate issue it gives all of us some insight into what half of the shipping charges might amount to.

Dick

--
Dick Flanagan K7VC
dick@...

On 3/14/2013 5:47 PM, Steve wrote:
> I deleted it the message.
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> Steve
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> --- In acom-list@yahoogroups.com, "Chris and Susie" <VHMUM@...> wrote:
>> Steve this list is world wide so you may wish to put your call
>>
>>
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>> Regards Chris VK3BUZ
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>> Of Steve
>> Sent: Tuesday, 12 March 2013 10:02 AM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Selling my Acom
>>
>>
>>
>>

>>
>> Selling my Acom 1000 4 months old with maybe 2 hrs of talk time.
>> Decided to go with a PW1 to match my Icom equipment.
>> This amp is in like new condition with all original manual and
>> Box and packing. They are great amps .
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>> $2700 shipped.
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>> Steve
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>> [Non-text portions of this message have been removed]
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Yahoo! Groups Links

5410. Spring Cleaning

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-21 14:39:09 UTC
From: kamarty456
Topic: 5410 Message: 5410

For all you owners of ACOM amplifiers and for all the
2000A users...

This is a reminder to clean your air filter!

This is a task we often forget.

To keep your ACOM happy you must clean your filter!!!!!

In Arizona we have dust..lots of dust so I clean my
filters [yes two] every 3-4 months.

I have the external muffin fan and use a metal pre-filter
screen in addition to the foam filter.

I last opened my amplifier when I did the EBS bias modification
and noted NO dirt or dust bunnies!

The filters do keep the insides clean but if clogged with dirt
you will indeed develop air flow challenges and rising temperatures.

So wash the filter NOW! You'll thank me later.

My 2000A is almost 12 years old and runs perfectly.

Martin KA7GKN

5411. Acom 2000A For Sale (UK)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-25 22:09:41 UTC
From: g4obk
Topic: 5411 Message: 5411

Having given up DX work and contesting other than taking part in RSGB Low Power events and SOTA, my Acom 2000A is for sale. I no longer need Acom power.

This linear has had little use for the last 3 years but still performs as it should.

Purchased in December 2004 by me - brand new from Vine Antennas.

There is one small 5mm long fine scratch on the right side of the case -otherwise the linear and its controller look like new.

Buyer must collect (North Yorks - 30 mins drive from York) or pay my fuel cost of delivery (within 150 miles max of my QTH only).

Would consider P/X for a lower powered solid state amp or will sell for £3300 ONO. If you are interested please reply via e-mail.

73 de Phil G4OBK

5412. Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-27 18:28:36 UTC
From: Paul P
Topic: 5412 Message: 5412

Hello all

My Acom 1000 has developed a strange fault,not really sure what to think about it.

When the amp is first switched on and keyed no power comes out of it,then slowly the power appears as the bargraph slowly creeps up.

It never reaches the heights it used to but it still runs about 70% of the previous power.

There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive replaced the drive patch lead and also the rig just in case,but its still the same.

It seems to work alright,but if its flicked to standby and then flicked back on it starts with no output power again,and slowly the bargraph creeps up to about 70% of previous power.
The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.

I just wondered if anyone else had had this problem before I launch into the inside of the amp.

Regards

Paul G4RRA

5413. Re: [acom-list] Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-27 18:55:20 UTC
From: Paul M Dunphy
Topic: 5412 Message: 5413

On 3/27/2013 3:28 PM, Paul P wrote:
> Hello all
>
> My Acom 1000 has developed a strange fault,not really sure what to think about it.
>
> When the amp is first switched on and keyed no power comes out of it,then slowly the power appears as the bargraph slowly creeps up.
>
> It never reaches the heights it used to but it still runs about 70% of the previous power.
>
> There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive replaced the drive patch lead and also the rig just in case,but its still the same.
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> It seems to work alright,but if its flicked to standby and then flicked back on it starts with no output power again,and slowly the bargraph creeps up to about 70% of previous power.
> The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.
>
> I just wondered if anyone else had had this problem before I launch into the inside of the amp.
>
> Regards
>
> Paul G4RRA
>

Sounds like the tube is almost shot. Do you have a spare you can
swap in to test this theory?

73, Paul VE1DX

5414. Re: [acom-list] Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-27 18:55:28 UTC
From: W5OV@...
Topic: 5412 Message: 5414

What kind of radio?

What is happening to its' output when this happens?

> Hello all
>
> My Acom 1000 has developed a strange fault,not really sure what to think
> about it.
>
> When the amp is first switched on and keyed no power comes out of it,then
> slowly the power appears as the bargraph slowly creeps up.
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> It never reaches the heights it used to but it still runs about 70% of the
> previous power.
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> There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive
> replaced the drive patch lead and also the rig just in case,but its still
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> It seems to work alright,but if its flicked to standby and then flicked
> back on it starts with no output power again,and slowly the bargraph
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> see if what the bargraph says is happening..is actually whats happening.
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> I just wondered if anyone else had had this problem before I launch into
> the inside of the amp.
>
> Regards
>
> Paul G4RRA
>
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5415. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-27 19:32:14 UTC
From: Paul P
Topic: 5412 Message: 5415

Its an old IC736 Bob its output stays solid when this is happening
--- In acom-list@yahoogroups.com, W5OV@... wrote:
>
> What kind of radio?
>
> What is happening to its' output when this happens?
>
> > Hello all
> >
> > My Acom 1000 has developed a strange fault,not really sure what to think
> > about it.
> >
> > When the amp is first switched on and keyed no power comes out of it,then
> > slowly the power appears as the bargraph slowly creeps up.
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> > previous power.
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> > There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive
> > replaced the drive patch lead and also the rig just in case,but its still
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> > Regards
> >
> > Paul G4RRA
> >
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5416. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-27 19:36:13 UTC
From: Paul P
Topic: 5412 Message: 5416

I was thinking along similar lines Paul

I do have a couple of tubes I could use to test this theory,they currently reside in my 144Mhz amplifier, so I might just borrow one to confirm this is the case.

Or I might just buy another tube as I dont have a spare !

--- In acom-list@yahoogroups.com, Paul M Dunphy <amplifier@...> wrote:
>
> On 3/27/2013 3:28 PM, Paul P wrote:
> > Hello all
> >
> > My Acom 1000 has developed a strange fault,not really sure what to think about it.
> >
> > When the amp is first switched on and keyed no power comes out of it,then slowly the power appears as the bargraph slowly creeps up.
> >
> > It never reaches the heights it used to but it still runs about 70% of the previous power.
> >
> > There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive replaced the drive patch lead and also the rig just in case,but its still the same.
> >
> > It seems to work alright,but if its flicked to standby and then flicked back on it starts with no output power again,and slowly the bargraph creeps up to about 70% of previous power.
> > The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.
> >
> > I just wondered if anyone else had had this problem before I launch into the inside of the amp.
> >
> > Regards
> >
> > Paul G4RRA
> >
>
> Sounds like the tube is almost shot. Do you have a spare you can
> swap in to test this theory?
>
> 73, Paul VE1DX
>

5417. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-27 21:37:41 UTC
From: Ger
Topic: 5412 Message: 5417

I never saw this behavior with a soft tube. What about the Anode Current? Is this also slowly increasing? What is the gain: should be between 12-13 dB. When all of these parameters are ok (not creeping up with the power on the graph) I recommend to use an external power meter first. I know from personal experience that a lot can go wrong with the perimeter electronics of the Acom 1000.

73's Ger

--- In acom-list@yahoogroups.com, "Paul P" <g4rra@...> wrote:
>
> I was thinking along similar lines Paul
>
> I do have a couple of tubes I could use to test this theory,they currently reside in my 144Mhz amplifier, so I might just borrow one to confirm this is the case.
>
> Or I might just buy another tube as I dont have a spare !
>
>
> --- In acom-list@yahoogroups.com, Paul M Dunphy <amplifier@> wrote:
> >
> > On 3/27/2013 3:28 PM, Paul P wrote:
> > > Hello all
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> > > My Acom 1000 has developed a strange fault,not really sure what to think about it.
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> > > When the amp is first switched on and keyed no power comes out of it,then slowly the power appears as the bargraph slowly creeps up.
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> > > It never reaches the heights it used to but it still runs about 70% of the previous power.
> > >
> > > There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive replaced the drive patch lead and also the rig just in case,but its still the same.
> > >
> > > It seems to work alright,but if its flicked to standby and then flicked back on it starts with no output power again,and slowly the bargraph creeps up to about 70% of previous power.
> > > The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.
> > >
> > > I just wondered if anyone else had had this problem before I launch into the inside of the amp.
> > >
> > > Regards
> > >

> > > Paul G4RRA
> > >
> >
> > Sounds like the tube is almost shot. Do you have a spare you can
> > swap in to test this theory?
> >
> > 73, Paul VE1DX
> >
>

5418. Re: Selling my Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-29 00:12:27 UTC
From: Steve
Topic: 5405 Message: 5418

Sorry buy i don't get on this blog that much.
My Call is W1SWR. I took the listing down because some
one said i should put my call on listing.
I tried to edit it but could not so i just deleted it.

Steve -- W1SWR

--- In acom-list@yahoogroups.com, Dick Flanagan <dick@...> wrote:
>
> I mean no offense, Steve, but what is yourcall sign? It is always fun
> to see if I have worked someone who posts on some of the same lists I am
> on, but more to the immediate issue it gives all of us some insight into
> what half of the shipping charges might amount to.
>
> Dick
>
> --
> Dick Flanagan K7VC
> dick@...
>
> On 3/14/2013 5:47 PM, Steve wrote:
> > I deleted it the message.
> >
> >
> > Steve
> >
> >
> > --- In acom-list@yahoogroups.com, "Chris and Susie" <VHMUM@> wrote:
> >> Steve this list is world wide so you may wish to put your call
> >>
> >>
> >> Regards Chris VK3BUZ
> >>
> >>
> >> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> >> Of Steve
> >> Sent: Tuesday, 12 March 2013 10:02 AM
> >> To: acom-list@yahoogroups.com
> >> Subject: [acom-list] Selling my Acom
> >>
> >>
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> >>

> >>
> >> Selling my Acom 1000 4 months old with maybe 2 hrs of talk time.
> >> Decided to go with a PW1 to match my Icom equipment.
> >> This amp is in like new condition with all original manual and
> >> Box and packing. They are great amps .
> >>
> >> $2700 shipped.
> >>
> >> Steve
> >>
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> >> [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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5419. Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-29 20:15:22 UTC
From: nmbsun1
Topic: 5419 Message: 5419

I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?

Thanks, Sonny....AB4VV

5420. Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 00:14:54 UTC
From: n4dov
Topic: 5419 Message: 5420

3 radios that I had /have have no alc overshoot with my Acom 1000
Icom 7600
Tentec omni7
Tentec Eagle.
Overshoot occurs with Icom7200.
Goodluck 73's David N4DOV.

--- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?
>
> Thanks, Sonny....AB4VV
>

5421. RE: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 00:21:11 UTC
From: Hal Kennedy
Topic: 5419 Message: 5421

Worst ever was the IC-775. At 100W setting it would spike to 350W.

All Yaesu's seem okay.

N4GG

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of n4dov
Sent: Friday, March 29, 2013 8:15 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

3 radios that I had /have have no alc overshoot with my Acom 1000
Icom 7600
Tentec omni7
Tentec Eagle.
Overshoot occurs with Icom7200.
Goodluck 73's David N4DOV.

--- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> , "nmbsun1" <nmbsun1@...> wrote:
>
> I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?
>
> Thanks, Sonny....AB4VV
>

[Non-text portions of this message have been removed]

5422. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 01:30:40 UTC
From: Jim Idelson
Topic: 5419 Message: 5422

It's mostly Icom radios. Don't buy an old IC-781.

On 3/29/13 8:21 PM, Hal Kennedy wrote:
> Worst ever was the IC-775. At 100W setting it would spike to 350W.
>
>
>
> All Yaesu's seem okay.
>
> N4GG
>
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> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of n4dov
> Sent: Friday, March 29, 2013 8:15 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
> Spike?
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>
> 3 radios that I had /have have no alc overshoot with my Acom 1000
> Icom 7600
> Tentec omni7
> Tentec Eagle.
> Overshoot occurs with Icom7200.
> Goodluck 73's David N4DOV.
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "nmbsun1" <nmbsun1@...> wrote:
>> I am in the market for a new ham radio but I see lots of new rigs with
> the ALC overshoot. Can anyone chime in and tell me how their rig works
> with the Acom 1000?
>> Thanks, Sonny....AB4VV
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> Yahoo! Groups Links
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5423. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 06:30:36 UTC
From: Hans Remeeus
Topic: 5419 Message: 5423

Correct, I had an IC-775DSP for a couple of years. The power spikes were terrible! The IC-7700 which I owned for 2,5 years had not.

Some Kenwood rigs suffer power spikes (and ALC problems).

For what I know no power spikes have the FT-1000D, FT-1000MkV's, FTdx5000. I don't know/heard/read of any Yeasu rig with this power problem.

The Acom2000A is very sensitive for power spikes. The old ETO/Alpha 91b is not.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 30-3-2013 1:21, Hal Kennedy schreef:
> Worst ever was the IC-775. At 100W setting it would spike to 350W.
>
>
>
> All Yaesu's seem okay.
>
> N4GG
>
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>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of n4dov
> Sent: Friday, March 29, 2013 8:15 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
> Spike?
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> 3 radios that I had /have have no alc overshoot with my Acom 1000
> Icom 7600
> Tentec omni7
> Tentec Eagle.
> Overshoot occurs with Icom7200.
> Goodluck 73's David N4DOV.
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "nmbsun1" <nmbsun1@...> wrote:
>> I am in the market for a new ham radio but I see lots of new rigs with
> the ALC overshoot. Can anyone chime in and tell me how their rig works
> with the Acom 1000?
>> Thanks, Sonny....AB4VV
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5424. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 12:00:15 UTC
From: Mike Harris
Topic: 5419 Message: 5424

The K3 is OK.

Regards,

Mike VP8NO

>
>> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
>> "nmbsun1" <nmbsun1@...> wrote:
>>> I am in the market for a new ham radio but I see lots of new rigs with
>> the ALC overshoot. Can anyone chime in and tell me how their rig works
>> with the Acom 1000?
>>> Thanks, Sonny....AB4VV

5425. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 12:04:18 UTC
From: George
Topic: 5419 Message: 5425

To add to the confusion, I don't use ALC, but the Icom 7600 has a key up spike. I have an Icom 2KA it doesn't like radios with keying spikes.
73,
George
W2GS

On 3/29/2013 7:14 PM, n4dov wrote:
>
>
> 3 radios that I had /have have no alc overshoot with my Acom 1000
> Icom 7600
> Tentec omni7
> Tentec Eagle.
> Overshoot occurs with Icom7200.
> Goodluck 73's David N4DOV.
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> "nmbsun1" <nmbsun1@...> wrote:
> >
> > I am in the market for a new ham radio but I see lots of new rigs
> with the ALC overshoot. Can anyone chime in and tell me how their rig
> works with the Acom 1000?
> >
> > Thanks, Sonny....AB4VV
> >
>
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[Non-text portions of this message have been removed]

5426. RE: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 12:20:52 UTC
From: Jim
Topic: 5419 Message: 5426

I use a 7600 with an Acom 2000A or a solid State Elecraft KPA-500 and do not notice any keying spike. Serial number is above 29xx.

Never an issue with this rig.

73 de KE4WY Jim

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of George
Sent: Saturday, March 30, 2013 8:04 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

To add to the confusion, I don't use ALC, but the Icom 7600 has a key up spike. I have an Icom 2KA it doesn't like radios with keying spikes.
73,
George
W2GS

On 3/29/2013 7:14 PM, n4dov wrote:
>
>
> 3 radios that I had /have have no alc overshoot with my Acom 1000
> Icom 7600
> Tentec omni7
> Tentec Eagle.
> Overshoot occurs with Icom7200.
> Goodluck 73's David N4DOV.
>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>,
> "nmbsun1" <nmbsun1@...> wrote:
> >
> > I am in the market for a new ham radio but I see lots of new rigs
> with the ALC overshoot. Can anyone chime in and tell me how their rig
> works with the Acom 1000?
> >
> > Thanks, Sonny....AB4VV
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Yahoo! Groups Links

5427. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 12:42:54 UTC
From: Steve Tripp (K1IIG)
Topic: 5419 Message: 5427

I have an Acom 2000 and never had spiking issues with my Pro3 or FT847 yet the Flex5000a was horrible causing ARC faults. Finally after almost a year, Flex fixed it with a software change adding a "slew" check box that fixed the problem. The other temporary fix was a hi-pass filter ahead of the Acom input. Apparently the FLex has some strong artifacts or spurs below 1mhz causing the Acom to fault. A simple hi pass filter that cuts off at 1mhz worked fairly well. I doubt that this is common to all the rigs that spike. Krassy of Acom got involved and if I recall he was going to do something on the input. You might contact Acom if you haven't already.
Steve K1IIG

It's mostly Icom radios. Don't buy an old IC-781.

On 3/29/13 8:21 PM, Hal Kennedy wrote:
> Worst ever was the IC-775. At 100W setting it would spike to 350W.
>
>
>
> All Yaesu's seem okay.
>
> N4GG
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>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of n4dov
> Sent: Friday, March 29, 2013 8:15 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
> Spike?
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>
> 3 radios that I had /have have no alc overshoot with my Acom 1000
> Icom 7600
> Tentec omni7
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> Overshoot occurs with Icom7200.
> Goodluck 73's David N4DOV.

>
> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "nmbsun1" <nmbsun1@...> wrote:
>> I am in the market for a new ham radio but I see lots of new rigs with
> the ALC overshoot. Can anyone chime in and tell me how their rig works
> with the Acom 1000?
>> Thanks, Sonny....AB4VV
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5428. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 13:42:20 UTC
From: Fernando EC1CT
Topic: 5419 Message: 5428

Acom 2000 plus FT1000Mp mark V Field here and no problem at all.
I do have another combo FT897D and Expert 1K-FA and yes, it did have some power spikes...Hardly often but happens.
73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@esbesaya.com
KR DX Group

From: Steve Tripp (K1IIG)
Sent: Saturday, March 30, 2013 1:42 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

I have an Acom 2000 and never had spiking issues with my Pro3 or FT847 yet the Flex5000a was horrible causing ARC faults. Finally after almost a year, Flex fixed it with a software change adding a "slew" check box that fixed the problem. The other temporary fix was a hi-pass filter ahead of the Acom input. Apparently the FLex has some strong artifacts or spurs below 1mhz causing the Acom to fault. A simple hi pass filter that cuts off at 1mhz worked fairly well. I doubt that this is common to all the rigs that spike. Krassy of Acom got involved and if I recall he was going to do something on the input. You might contact Acom if you haven't already.
Steve K1IIG

It's mostly Icom radios. Don't buy an old IC-781.

On 3/29/13 8:21 PM, Hal Kennedy wrote:
> Worst ever was the IC-775. At 100W setting it would spike to 350W.
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> All Yaesu's seem okay.
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> N4GG
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> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of n4dov
> Sent: Friday, March 29, 2013 8:15 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
> Spike?

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> 3 radios that I had /have have no alc overshoot with my Acom 1000
> Icom 7600
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> --- In acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com> ,
> "nmbsun1" <nmbsun1@...> wrote:
>> I am in the market for a new ham radio but I see lots of new rigs with
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>> Thanks, Sonny....AB4VV
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> Yahoo! Groups Links
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[Non-text portions of this message have been removed]

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2013.0.2904 / Base de datos de virus: 2641/6213 - Fecha de publicación: 03/29/13

[Non-text portions of this message have been removed]

5429. Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 19:09:53 UTC
From: groundwave
Topic: 5419 Message: 5429

Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5 Field, FT5000 have all been ok.
W8KX

--- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>
> I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?
>
> Thanks, Sonny....AB4VV
>

5430. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 19:21:15 UTC
From: Paul M Dunphy
Topic: 5419 Message: 5430

On 3/30/2013 4:09 PM, groundwave wrote:
> Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5 Field, FT5000 have all been ok.
> W8KX
>
> --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@...> wrote:
>>
>> I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?
>>
>> Thanks, Sonny....AB4VV
>>

ICOM 756PROIII and Elecraft K3 both work fine with the ACOM-1000

73, Paul VE1DX

5431. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 19:44:01 UTC
From: Barry N1EU
Topic: 5419 Message: 5431

On Sat, Mar 30, 2013 at 12:42 PM, Steve Tripp (K1IIG) <
stephen.tripp@...> wrote:

> **
>
>
> the Flex5000a was horrible causing ARC faults. Finally after almost a
> year, Flex fixed it with a software change adding a "slew" check box that
> fixed the problem. The other temporary fix was a hi-pass filter ahead of
> the Acom input. Apparently the FLex has some strong artifacts or spurs
> below 1mhz causing the Acom to fault. A simple hi pass filter that cuts off
> at 1mhz worked fairly well.
>
Funny, that is the exact same problem that was encountered with the Ten-Tec
Orion back in 2004. There was low level low freq artifacts tripping the
Arc Fault circuit. Ten-Tec offered a high pass filter to fix the problem
to anyone who complained about it.

73,
Barry N1EU

[Non-text portions of this message have been removed]

5432. ACOM 2000A amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 20:34:00 UTC
From: Joel Kornreich
Topic: 5432 Message: 5432

With all the chatter around, here is my experience using the Acom 2000A with the FT2000D......When I first purchased the FT2000, it was the new "D' model (FT2000D) that Yaesu had produced along with the run of the standard FT2000 units. The FT2000D had a "forward spike" that always, 100 percent of the time put the ACOM 2000 into a reset mode. It did not matter what the internal output was set for or even if the RF POWER switch was near or at zero, the amplifier would reset. Since the "D" model was new to Yaesu, it made four trips back to California for repair. The repair group in Cypress California could not determine what or where the problem was. The FT2000D was sent back to Japan to the engineering group and modifications were made in California before new units were released. The point of this tail is determine if you are buying a used radio, find out if the FT2000D you are looking at had been modified. To find out about the mod is to put the rf output on a good scope and the spike will show up. Units purchased over the last two years from Yaesu have had the changes made in manufacturing. Good luck, Joel, K2QBV

[Non-text portions of this message have been removed]

5433. Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 20:52:07 UTC
From: James
Topic: 5419 Message: 5433

I use the acom 1010 amp with my 7800 and it works flawlessly no issues ever. both work really well together.

See my setup on QRZ and youtube.

James
G0SEC

--- In acom-list@yahoogroups.com, "groundwave" <groundwave@...> wrote:
>
> Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5 Field, FT5000 have all been ok.
> W8KX
>
> --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
> >
> > I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?
> >
> > Thanks, Sonny....AB4VV
> >
>

5434. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 20:56:54 UTC
From: Mel Whitten
Topic: 5419 Message: 5434

The Flex radios work FB with the Acom2000A using current PowerSDR software. I have not had to use any additional filtering.
Mel, K0PFX

----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Saturday, March 30, 2013 2:44 PM
Subject: Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

On Sat, Mar 30, 2013 at 12:42 PM, Steve Tripp (K1IIG) <
stephen.tripp@...> wrote:

> **
>
>
> the Flex5000a was horrible causing ARC faults. Finally after almost a
> year, Flex fixed it with a software change adding a "slew" check box that
> fixed the problem. The other temporary fix was a hi-pass filter ahead of
> the Acom input. Apparently the FLex has some strong artifacts or spurs
> below 1mhz causing the Acom to fault. A simple hi pass filter that cuts off
> at 1mhz worked fairly well.
>
Funny, that is the exact same problem that was encountered with the Ten-Tec
Orion back in 2004. There was low level low freq artifacts tripping the
Arc Fault circuit. Ten-Tec offered a high pass filter to fix the problem
to anyone who complained about it.

73,
Barry N1EU

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5435. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 21:10:34 UTC
From: John Peters
Topic: 5419 Message: 5435

I have used both the Yaesu FT1000MP and the Mk V with the ACOM 2000 with no problems.

73 John K1ER
----- Original Message -----
From: James
To: acom-list@yahoogroups.com
Sent: Saturday, March 30, 2013 10:52 AM
Subject: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

I use the acom 1010 amp with my 7800 and it works flawlessly no issues ever. both work really well together.

See my setup on QRZ and youtube.

James
G0SEC

--- In acom-list@yahoogroups.com, "groundwave" <groundwave@...> wrote:
>
> Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5 Field, FT5000 have all been ok.
> W8KX
>
> --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
> >
> > I am in the market for a new ham radio but I see lots of new rigs with the ALC overshoot. Can anyone chime in and tell me how their rig works with the Acom 1000?
> >
> > Thanks, Sonny....AB4VV
> >
>

[Non-text portions of this message have been removed]

5436. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 21:50:00 UTC
From: Neal Campbell
Topic: 5419 Message: 5436

Are some generations of the 2000A more susceptible to this than others?

Neal Campbell
Owner
Abroham Neal LLC
Work: +1 540 645 5394
Mobile: +1 540 645 8171

On Sat, Mar 30, 2013 at 5:10 PM, John Peters <petersj007@hawaii.rr.com>wrote:

> **
>
>
> I have used both the Yaesu FT1000MP and the Mk V with the ACOM 2000 with
> no problems.
>
> 73 John K1ER
>
> ----- Original Message -----
> From: James
> To: acom-list@yahoogroups.com
> Sent: Saturday, March 30, 2013 10:52 AM
> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
> Spike?
>
> I use the acom 1010 amp with my 7800 and it works flawlessly no issues
> ever. both work really well together.
>
> See my setup on QRZ and youtube.
>
> James
> G0SEC
>
> --- In acom-list@yahoogroups.com, "groundwave" <groundwave@...> wrote:
> >
> > Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5
> Field, FT5000 have all been ok.
> > W8KX
> >
> > --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
> > >
> > > I am in the market for a new ham radio but I see lots of new rigs with
> the ALC overshoot. Can anyone chime in and tell me how their rig works with
> the Acom 1000?

> > >
> > > Thanks, Sonny....AB4VV
> > >
> >
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[Non-text portions of this message have been removed]

5437. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 21:56:31 UTC
From: Steve Tripp (K1IIG)
Topic: 5419 Message: 5437

Mel,

You are in the majority who did not have this spike problem. Flex PwrSdr 1.xx did not have the problem for me or anyone else but version 2.xx did. Because the Acom Arc fault implies you have a transmission line problem and I was the only one complaining they were convinced it wasn't the radio. Gerald, Flex owner was excellent working with me but it took months to convince him it was their software and when another ham in ND mentioned he had the same issue they finally fixed it with the "slew" option check box. My spike was not "forward keying" as Joel mentioned with his Ft2000 but was "reverse or key release" that caused the spike. 10w of power out of flex into amp would drop the amp every time. The hi pass filter was tried based on an HB9?? who made a simple hi-pass filter suggesting it might help and indeed it did allowing me to get almost 1kw out but over that the Acom would again fault on key release. I think it was in 2.23 that it got fixed. I have had an early Flex 1000 they could not get it working for me and returned all my money. I had a Flex 3000 and that worked well and dollar for dollar was the best buy. I then bought a Flex 5000a and finally got tired of all the PwrSdr issues with upgrading, the spurs and images, harsh and raspy audio now finally fixed, never made the 60w on v/u as advertised and finals that would fail which I did not encounter but others did. I now have no Flex radios and own an Apache-Labs Anan-10 (can receive 5 bands without another RX installed) awaiting for the new Anan -100d (can receive 15 bands, diversity RX, TX beams steering and more) to be delivered. It runs with an improved PwrSdr so no learning curve and half the price of the Flex. Many of my friends have the Flex radios and love them and hope Flex 6700 can get up and running for comparison. So far they have not been able to demo it.

I have had the Acom 2000a since 2001 and love it. Best amp on the market as far as I am concerned.
Beside having to replace the tubes after a low bias reading, I had one other interesting problem. The Acom would not power up with nothing shown on the RCU. I brought it to Acom in MA and they worked on it for a few hours to find out I had reversed the plug going into the RCU PC board when I was tbl shooting. Beware, it can go in either way as there is no key. This was years ago and just last month the Acom would not power up again. I simply reseated that connector and all is well. Good one to remember.

73's
Steve

The Flex radios work FB with the Acom2000A using current PowerSDR software. I have not had to use any additional filtering.
Mel, K0PFX

----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Saturday, March 30, 2013 2:44 PM
Subject: Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

On Sat, Mar 30, 2013 at 12:42 PM, Steve Tripp (K1IIG) <
stephen.tripp@...> wrote:

> **
>
>
> the Flex5000a was horrible causing ARC faults. Finally after almost a
> year, Flex fixed it with a software change adding a "slew" check box that
> fixed the problem. The other temporary fix was a hi-pass filter ahead of
> the Acom input. Apparently the FLex has some strong artifacts or spurs
> below 1mhz causing the Acom to fault. A simple hi pass filter that cuts off
> at 1mhz worked fairly well.
>
Funny, that is the exact same problem that was encountered with the Ten-Tec
Orion back in 2004. There was low level low freq artifacts tripping the
Arc Fault circuit. Ten-Tec offered a high pass filter to fix the problem
to anyone who complained about it.

73,
Barry N1EU

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5438. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 22:17:43 UTC
From: Steve Tripp (K1IIG)
Topic: 5419 Message: 5438

HI Neal,

Long time no chat, PC's are working good and guess we both are waiting for our 100d.
Your question is a good one which I have no definitive answer except mine was one of the first and a friend has the very first one and unlike me, has had no spiking issues with his Flex 5000 and Acom. If I recall the Tokyo amps were one of the first to have spiking issues. I believe the problem is with the Transceivers and not the amps. I think the transceivers are putting out full power and a few cycles later reduce it to the proper or set power. I wonder if the transceivers could put on power first than key up milliseconds later if that would help, sounds too easy. If you notice in the W5WC PwrSdr transmit section this is addressed with separate MOX and RF delay options.
Maybe Array Solutions can get this answered.

73's
Steve

> Are some generations of the 2000A more susceptible to this than others?
>
> Neal Campbell
> Owner
> Abroham Neal LLC
> Work: +1 540 645 5394
> Mobile: +1 540 645 8171
>
>
>
> On Sat, Mar 30, 2013 at 5:10 PM, John Peters
> <petersj007@...>wrote:
>
>> **
>>
>>
>> I have used both the Yaesu FT1000MP and the Mk V with the ACOM 2000 with
>> no problems.
>>
>> 73 John K1ER
>>
>> ----- Original Message -----
>> From: James
>> To: acom-list@yahoogroups.com
>> Sent: Saturday, March 30, 2013 10:52 AM

>> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
>> Spike?
>>
>> I use the acom 1010 amp with my 7800 and it works flawlessly no issues
>> ever. both work really well together.
>>
>> See my setup on QRZ and youtube.
>>
>> James
>> G0SEC
>>
>> --- In acom-list@yahoogroups.com, "groundwave" <groundwave@...> wrote:
>> >
>> > Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5
>> Field, FT5000 have all been ok.
>> > W8KX
>> >
>> > --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
>> > >
>> > > I am in the market for a new ham radio but I see lots of new rigs
>> > > with
>> the ALC overshoot. Can anyone chime in and tell me how their rig works
>> with
>> the Acom 1000?
>> > >
>> > > Thanks, Sonny....AB4VV
>> > >
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5439. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 23:02:52 UTC
From: Joel Kornreich
Topic: 5419 Message: 5439

Actually, if it's a forward spike generated by a transceiver the answer is no. The fault circuit will shut the unit down as it's designed with protection in mind. If it does not go into a fault mode something may be wrong with the Acom....Joel, K2QBV

On Sat, Mar 30, 2013 at 5:50 PM, Neal Campbell <nealk3nc@...> wrote:

> Are some generations of the 2000A more susceptible to this than others?
>
> Neal Campbell
> Owner
> Abroham Neal LLC
> Work: +1 540 645 5394
> Mobile: +1 540 645 8171
>
>
>
> On Sat, Mar 30, 2013 at 5:10 PM, John Peters <petersj007@...
> >wrote:
>
> > **
> > >
> > >
> > I have used both the Yaesu FT1000MP and the Mk V with the ACOM 2000 with
> > no problems.
> > >
> > 73 John K1ER
> > >
> > ----- Original Message -----
> > From: James
> > To: acom-list@yahoogroups.com
> > Sent: Saturday, March 30, 2013 10:52 AM
> > Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
> > Spike?
> > >
> > I use the acom 1010 amp with my 7800 and it works flawlessly no issues
> > ever. both work really well together.
> > >
> > See my setup on QRZ and youtube.
> > >
> > James
> > G0SEC
> > >
> > --- In acom-list@yahoogroups.com, "groundwave" <groundwave@...> wrote:

> > >
> > > Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5
> > Field, FT5000 have all been ok.
> > > W8KX
> > >
> > > --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
> > > >
> > > > I am in the market for a new ham radio but I see lots of new rigs
> with
> > the ALC overshoot. Can anyone chime in and tell me how their rig works
> with
> > the Acom 1000?
> > > >
> > > > Thanks, Sonny....AB4VV
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5440. Re: [acom-list] Re: Which rigs have been proven to not have an ALC Spike?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-03-30 23:15:06 UTC
From: Jim Idelson
Topic: 5419 Message: 5440

It should also be pointed out that some rigs that produce the leading
edge spike can be adjusted to minimize it.

On 3/30/13 7:02 PM, Joel Kornreich wrote:
> Actually, if it's a forward spike generated by a transceiver the answer is
> no. The fault circuit will shut the unit down as it's designed with
> protection in mind. If it does not go into a fault mode something may be
> wrong with the Acom....Joel, K2QBV
>
>
> On Sat, Mar 30, 2013 at 5:50 PM, Neal Campbell <nealk3nc@...> wrote:
>
>> Are some generations of the 2000A more susceptible to this than others?
>>
>> Neal Campbell
>> Owner
>> Abroham Neal LLC
>> Work: +1 540 645 5394
>> Mobile: +1 540 645 8171
>>
>>
>>
>> On Sat, Mar 30, 2013 at 5:10 PM, John Peters <petersj007@...
>>> wrote:
>>> **
>>>
>>>
>>> I have used both the Yaesu FT1000MP and the Mk V with the ACOM 2000 with
>>> no problems.
>>>
>>> 73 John K1ER
>>>
>>> ----- Original Message -----
>>> From: James
>>> To: acom-list@yahoogroups.com
>>> Sent: Saturday, March 30, 2013 10:52 AM
>>> Subject: [acom-list] Re: Which rigs have been proven to not have an ALC
>>> Spike?
>>>
>>> I use the acom 1010 amp with my 7800 and it works flawlessly no issues
>>> ever. both work really well together.
>>>
>>> See my setup on QRZ and youtube.
>>>

>>> James
>>> G0SEC
>>>
>>> --- In acom-list@yahoogroups.com, "groundwave" <groundwave@...> wrote:
>>>> Hybrid radios (both Kenwood and Yaesu), TS-940, FT1000(D), FT1000Mk5
>>> Field, FT5000 have all been ok.
>>>> W8KX
>>>>
>>>> --- In acom-list@yahoogroups.com, "nmbsun1" <nmbsun1@> wrote:
>>>>> I am in the market for a new ham radio but I see lots of new rigs
>> with
>>> the ALC overshoot. Can anyone chime in and tell me how their rig works
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>>> the Acom 1000?
>>>>> Thanks, Sonny....AB4VV
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5441. Re: Connecting the FT-950 to the Acom 1000 or 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-02 22:36:53 UTC
From: sv1qot
Topic: 2327 Message: 5441

Didnt worked for me!
So i left pin 2-3 and the RCA to the KEY IN
The other 8-10 pin not connected in the KEY OUT!!!
I dont know why!!!

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:
>
>
> Hello to all!
>
> Today I received the following information from Acom:
>
> ------------------------
> Control connection of FT-950 to ACOM1000 or ACOM2000A
>
> 1. The electrical specifications of the amplifier's KEY-IN input are
> fully compatible with FT-950:
> - Switching voltage (open circuit) - 15V max, plus to the ground;
> - Closed-circuit current - 15mA max.
>
> 2. Connecting the YAESU FT-950 10 pin mini-DIN connector "LINEAR":
>
> pin 2 (TX GND) - yellow - to ACOM "KEY-IN" RCA (CINCH) connector
>
> pin 3 (GND) - green - to shields
>
> pin 8 (TX INH) - brown - to ACOM "KEY-OUT" RCA (CINCH) connector
>
> pin 10 (CHASSIS) - light blue - to shields
>
> All rest pins remain unconnected.
>
> 3. Before connecting or disconnecting cables always switch off both the
> transceiver and the amplifier.
>
> 4. In transceiver's menu 043 A1A BK-IN select "FULL" and in menu 049 A1A
> QSK Time select a time delay of 15ms.
>
> 5. With the cable connected to FT-950 10 pin mini-DIN connector "LINEAR"
> on one side only, and the "KEY IN" and "KEY OUT" RCA (CINCH) connectors
> still not connected (free), the transceiver should not be capable to
> transmit.
>
> 6. With the cable connected to FT-950 10 pin mini-DIN connector "LINEAR"
> and the "KEY IN" and "KEY OUT" RCA (CINCH) connectors connected to ACOM

> "KEY IN" and "KEY OUT" connectors, and the ACOM amplifier powered OFF,
> the transceiver should be able to transmit and receive as normally.
>
> 7. With the cable connected as in (6) above and the amplifier powered ON
> and in STBY mode, the transceiver should be able to transmit and the
> amplifier should be keyed to operate during transmit and receive.
>
> 8. With the cable connected as in (6) above and the amplifier powered ON
> and in OPER mode, the transceiver should be able to transmit and receive
> as normally.
>
> The ALC is preferably not used.
> ------------------------
>
> Please let the FT-950 and/or Acom Yahoogroups know your results.
>
> --
>
> 73,
> Hans Remeeus (PA1HR)
> http://www.remeeus.eu
> Communication is about people, the rest is technology.
>

5442. RE: [acom-list] Re: Connecting the FT-950 to the Acom 1000 or 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-03 08:41:24 UTC
From: Máximo EA1DDO_HK1H
Topic: 2327 Message: 5442

Hi all,
My recomendation is to use only KEY-IN.Don?t use KEY-OUT neither ALC. Even Acom recomends not to use ALC.
With just one conection from Yaesu TX to Acom KEY-IN works perfect.
It is how it works for me with FT-1000 or FT Dx-9000 and Acom 2000A.
73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: fabarmboy@msn.com
Date: Tue, 2 Apr 2013 22:36:53 +0000
Subject: [acom-list] Re: Connecting the FT-950 to the Acom 1000 or 2000A

Didnt worked for me!

So i left pin 2-3 and the RCA to the KEY IN

The other 8-10 pin not connected in the KEY OUT!!!

I dont know why!!!

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:

>

>

> Hello to all!

>

> Today I received the following information from Acom:

>

> ------------------------

> Control connection of FT-950 to ACOM1000 or ACOM2000A

>

> 1. The electrical specifications of the amplifier's KEY-IN input are

> fully compatible with FT-950:

> - Switching voltage (open circuit) - 15V max, plus to the ground;

> - Closed-circuit current - 15mA max.

>

> 2. Connecting the YAESU FT-950 10 pin mini-DIN connector "LINEAR":
>
> pin 2 (TX GND) - yellow - to ACOM "KEY-IN" RCA (CINCH) connector
>
> pin 3 (GND) - green - to shields
>
> pin 8 (TX INH) - brown - to ACOM "KEY-OUT" RCA (CINCH) connector
>
> pin 10 (CHASSIS) - light blue - to shields
>
> All rest pins remain unconnected.
>
> 3. Before connecting or disconnecting cables always switch off both the
> transceiver and the amplifier.
>
> 4. In transceiver's menu 043 A1A BK-IN select "FULL" and in menu 049 A1A
> QSK Time select a time delay of 15ms.
>
> 5. With the cable connected to FT-950 10 pin mini-DIN connector "LINEAR"
> on one side only, and the "KEY IN" and "KEY OUT" RCA (CINCH) connectors
> still not connected (free), the transceiver should not be capable to
> transmit.
>
> 6. With the cable connected to FT-950 10 pin mini-DIN connector "LINEAR"
> and the "KEY IN" and "KEY OUT" RCA (CINCH) connectors connected to ACOM
> "KEY IN" and "KEY OUT" connectors, and the ACOM amplifier powered OFF,
> the transceiver should be able to transmit and receive as normally.
>
> 7. With the cable connected as in (6) above and the amplifier powered ON

> and in STBY mode, the transceiver should be able to transmit and the

> amplifier should be keyed to operate during transmit and receive.

>

> 8. With the cable connected as in (6) above and the amplifier powered ON

> and in OPER mode, the transceiver should be able to transmit and receive

> as normally.

>

> The ALC is preferably not used.

> ------------------------

>

> Please let the FT-950 and/or Acom Yahoogroups know your results.

>

> --

>

> 73,

> Hans Remeeus (PA1HR)

> http://www.remeeus.eu

> Communication is about people, the rest is technology.

>

[Non-text portions of this message have been removed]

5443. RE: [acom-list] Re: Connecting the FT-950 to the Acom 1000 or 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-03 09:49:24 UTC
From: Bob Naumann
Topic: 2327 Message: 5443

I agree - use Key-IN only.

73,

Bob W5OV
Array Solutions

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Máximo EA1DDO_HK1H
Sent: Wednesday, April 03, 2013 3:41 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Connecting the FT-950 to the Acom 1000 or 2000A

Hi all,
My recomendation is to use only KEY-IN.Don´t use KEY-OUT neither ALC. Even Acom recomends not to use ALC.
With just one conection from Yaesu TX to Acom KEY-IN works perfect.
It is how it works for me with FT-1000 or FT Dx-9000 and Acom 2000A.
73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: fabarmboy@...
Date: Tue, 2 Apr 2013 22:36:53 +0000
Subject: [acom-list] Re: Connecting the FT-950 to the Acom 1000 or 2000A

Didnt worked for me!

So i left pin 2-3 and the RCA to the KEY IN

The other 8-10 pin not connected in the KEY OUT!!!

I dont know why!!!

--- In acom-list@yahoogroups.com, Hans Remeeus <hans@...> wrote:

>

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> Hello to all!

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> Today I received the following information from Acom:

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> ------------------------

> Control connection of FT-950 to ACOM1000 or ACOM2000A
>
> 1. The electrical specifications of the amplifier's KEY-IN input are
> fully compatible with FT-950:
> - Switching voltage (open circuit) - 15V max, plus to the ground;
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>
> 2. Connecting the YAESU FT-950 10 pin mini-DIN connector "LINEAR":
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> pin 2 (TX GND) - yellow - to ACOM "KEY-IN" RCA (CINCH) connector
>
> pin 3 (GND) - green - to shields
>
> pin 8 (TX INH) - brown - to ACOM "KEY-OUT" RCA (CINCH) connector
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> pin 10 (CHASSIS) - light blue - to shields
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> All rest pins remain unconnected.
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> 3. Before connecting or disconnecting cables always switch off both the
> transceiver and the amplifier.
>
> 4. In transceiver's menu 043 A1A BK-IN select "FULL" and in menu 049 A1A
> QSK Time select a time delay of 15ms.
>
> 5. With the cable connected to FT-950 10 pin mini-DIN connector "LINEAR"
> on one side only, and the "KEY IN" and "KEY OUT" RCA (CINCH) connectors
> still not connected (free), the transceiver should not be capable to
> transmit.

>

> 6. With the cable connected to FT-950 10 pin mini-DIN connector "LINEAR"

> and the "KEY IN" and "KEY OUT" RCA (CINCH) connectors connected to ACOM

> "KEY IN" and "KEY OUT" connectors, and the ACOM amplifier powered OFF,

> the transceiver should be able to transmit and receive as normally.

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> 7. With the cable connected as in (6) above and the amplifier powered ON

> and in STBY mode, the transceiver should be able to transmit and the

> amplifier should be keyed to operate during transmit and receive.

>

> 8. With the cable connected as in (6) above and the amplifier powered ON

> and in OPER mode, the transceiver should be able to transmit and receive

> as normally.

>

> The ALC is preferably not used.

> ------------------------

>

> Please let the FT-950 and/or Acom Yahoogroups know your results.

>

> --

>

> 73,

> Hans Remeeus (PA1HR)

> http://www.remeeus.eu

> Communication is about people, the rest is technology.

>

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Yahoo! Groups Links

5444. Yaesu ft-950D and Acom 1000!!

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-04 06:09:00 UTC
From: sv1qot
Topic: 5444 Message: 5444

Hello dear friends,
As i mention in the subject i own an acom 1000 and a yaesu ft-950.
My problem is that when i find a dx qso with split frequency the tranceiver in tx have high swr and of course the amplifier cant transmit.
If i put the antenna straight in transceiver everything is ok.
Does anyone have anything in mind.
A solution ???
73 de SV1QOT

5445. RE: [acom-list] Yaesu ft-950D and Acom 1000!!

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-04 09:48:07 UTC
From: Máximo EA1DDO_HK1H
Topic: 5444 Message: 5445

Is the amplifier and radio working correctly when non split?
Try to adjust the amp in the Tx freq, then activate split.
73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: fabarmboy@...
Date: Thu, 4 Apr 2013 06:09:00 +0000
Subject: [acom-list] Yaesu ft-950D and Acom 1000!!

Hello dear friends,

As i mention in the subject i own an acom 1000 and a yaesu ft-950.

My problem is that when i find a dx qso with split frequency the tranceiver in tx have high swr and of course the amplifier cant transmit.

If i put the antenna straight in transceiver everything is ok.

Does anyone have anything in mind.

A solution ???

73 de SV1QOT

[Non-text portions of this message have been removed]

5446. Re: Yaesu ft-950D and Acom 1000!!

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-04 10:24:03 UTC
From: sv1qot
Topic: 5444   Message: 5446

Maximo hahahaha,good morning from Greece,
As you realize im new in linear amplifiers.
So im so stupid i was adjust the receiving frequency but not the transmitting.
So the transceiver see not 50ohm in his rf output.
So simple.
Thank you very much Maximo.

--- In acom-list@yahoogroups.com, Máximo EA1DDO_HK1H <ea1ddo@...> wrote:
>
> Is the amplifier and radio working correctly when non split?
> Try to adjust the amp in the Tx freq, then activate split.
> 73, Maximo - EA1DDO
>
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>
> To: acom-list@yahoogroups.com
> From: fabarmboy@...
> Date: Thu, 4 Apr 2013 06:09:00 +0000
> Subject: [acom-list] Yaesu ft-950D and Acom 1000!!
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5447. Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 19:39:51 UTC
From: N1EU
Topic: 5447 Message: 5447

I'd appreciate troubleshooting tips for low gain on my 2000A that started suddenly yesterday. The basic symptom is low power output with the amp other appearing to operate normally. But on closer look, the gain seems to fall off steadily and dramatically with higher frequency and a "Low Gain" fault will appear on 12M and 10M.

The manual just says to rerun Auto-Tune which doesn't help. Anybody been here before or have any suggestions?

Thanks & 73,
Barry N1EU

5448. Re: Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 21:06:22 UTC
From: kamarty456
Topic: 5447 Message: 5448

Hi Barry..
how many hours do you have on your tubes?
Also have you tried testing using a dummy load?

What are your parameters? High voltage, line voltage..etc

Marty

--- In acom-list@yahoogroups.com, "N1EU" <barry.n1eu@...> wrote:
>
> I'd appreciate troubleshooting tips for low gain on my 2000A that started suddenly yesterday. The basic symptom is low power output with the amp other appearing to operate normally. But on closer look, the gain seems to fall off steadily and dramatically with higher frequency and a "Low Gain" fault will appear on 12M and 10M.
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> The manual just says to rerun Auto-Tune which doesn't help. Anybody been here before or have any suggestions?
>
> Thanks & 73,
> Barry N1EU
>

5449. Re: [acom-list] Re: Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 21:31:31 UTC
From: Barry N1EU
Topic: 5447 Message: 5449

Tubes are relatively new - a few years of light use. Same symptoms on
multiple antennas. Parameters look normal, except gain.

Barry N1EU

On Sun, Apr 7, 2013 at 9:06 PM, kamarty456 <martins160@...> wrote:

> **
>
>
> Hi Barry..
> how many hours do you have on your tubes?
> Also have you tried testing using a dummy load?
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> What are your parameters? High voltage, line voltage..etc
>
> Marty
>
>
> --- In acom-list@yahoogroups.com, "N1EU" <barry.n1eu@...> wrote:
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> > I'd appreciate troubleshooting tips for low gain on my 2000A that
> started suddenly yesterday. The basic symptom is low power output with the
> amp other appearing to operate normally. But on closer look, the gain seems
> to fall off steadily and dramatically with higher frequency and a "Low
> Gain" fault will appear on 12M and 10M.
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> here before or have any suggestions?
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> > Thanks & 73,
> > Barry N1EU
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5450. Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 21:35:45 UTC
From: D G
Topic: 5447 Message: 5450

Some folks including myself, had a faulty tube go in 2-3 years, or say 4000+ hours of "light use" with amp in Standby mostly. DennisN3DG
To: acom-list@yahoogroups.com
From: barry.n1eu@...
Date: Sun, 7 Apr 2013 21:31:31 +0000
Subject: Re: [acom-list] Re: Troubleshooting low gain, 2000A?

Tubes are relatively new - a few years of light use. Same symptoms on

multiple antennas. Parameters look normal, except gain.

Barry N1EU

On Sun, Apr 7, 2013 at 9:06 PM, kamarty456 <martins160@...> wrote:

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>

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> Hi Barry..

> how many hours do you have on your tubes?

> Also have you tried testing using a dummy load?

>

> What are your parameters? High voltage, line voltage..etc

>

> Marty

>

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> --- In acom-list@yahoogroups.com, "N1EU" <barry.n1eu@...> wrote:

> >

> > I'd appreciate troubleshooting tips for low gain on my 2000A that

> started suddenly yesterday. The basic symptom is low power output with the

> amp other appearing to operate normally. But on closer look, the gain seems

> to fall off steadily and dramatically with higher frequency and a "Low

> Gain" fault will appear on 12M and 10M.

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> > The manual just says to rerun Auto-Tune which doesn't help. Anybody been

> here before or have any suggestions?

> >

> > Thanks & 73,

> > Barry N1EU

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5451. Re: [acom-list] Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 21:46:22 UTC
From: Barry N1EU
Topic: 5447 Message: 5451

I checked the bias current and the high level idle current seems low (220ma
vs 375ma spec) so I'm going to try and adjust that and see if it makes a
difference.

If not and other advice comes forth, I'll swap the tubes in the next day or
two and see if that helps.

Barry N1EU

On Sun, Apr 7, 2013 at 9:35 PM, D G <radiodg@...> wrote:

> Some folks including myself, had a faulty tube go in 2-3 years, or say
> 4000+ hours of "light use" with amp in Standby mostly. DennisN3DG
> To: acom-list@yahoogroups.com
> From: barry.n1eu@...
> Date: Sun, 7 Apr 2013 21:31:31 +0000
> Subject: Re: [acom-list] Re: Troubleshooting low gain, 2000A?
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> > What are your parameters? High voltage, line voltage..etc
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> > Marty
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5452. Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 21:57:47 UTC
From: D G
Topic: 5447 Message: 5452

Some folks have had a "Bias Too Low" error and it was tubes or a component like a capacitor (Google will help find the string). http://groups.yahoo.com/group/acom-list/message/5141 Maybe if you have not yet received the error on the RCU, it may be just starting, on the higher bands (just a possible guess). Regardless, this was the tube replacement process if you have a spare pair: http://groups.yahoo.com/group/acom-list/message/2757 73, DennisN3DG
To: acom-list@yahoogroups.com
From: barry.n1eu@...
Date: Sun, 7 Apr 2013 21:46:22 +0000
Subject: Re: [acom-list] Troubleshooting low gain, 2000A?

I checked the bias current and the high level idle current seems low (220ma

vs 375ma spec) so I'm going to try and adjust that and see if it makes a

difference.

If not and other advice comes forth, I'll swap the tubes in the next day or

two and see if that helps.

Barry N1EU

On Sun, Apr 7, 2013 at 9:35 PM, D G <radiodg@...> wrote:

> Some folks including myself, had a faulty tube go in 2-3 years, or say

> 4000+ hours of "light use" with amp in Standby mostly. DennisN3DG

> To: acom-list@yahoogroups.com

> From: barry.n1eu@...

> Date: Sun, 7 Apr 2013 21:31:31 +0000

> Subject: Re: [acom-list] Re: Troubleshooting low gain, 2000A?

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> Barry N1EU

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> On Sun, Apr 7, 2013 at 9:06 PM, kamarty456 <martins160@...> wrote:

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> > What are your parameters? High voltage, line voltage..etc

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> > Marty

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> > > Barry N1EU

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5453. Re: [acom-list] Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 22:12:39 UTC
From: Hal Kennedy
Topic: 5447 Message: 5453

Hi Barry,

Ordinarily I would say you have a tube aging out, but for it to happen very suddenly is not typical of a tube issue, although with everything else normal it certainly could be. How many hours on the tubes? Also, if this is a very early serial number, check the current into each filament....

73,
Hal N4GG

On 4/7/2013 3:39 PM, N1EU wrote:
>
> I'd appreciate troubleshooting tips for low gain on my 2000A that
> started suddenly yesterday. The basic symptom is low power output with
> the amp other appearing to operate normally. But on closer look, the
> gain seems to fall off steadily and dramatically with higher frequency
> and a "Low Gain" fault will appear on 12M and 10M.
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> The manual just says to rerun Auto-Tune which doesn't help. Anybody
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> Thanks & 73,
> Barry N1EU
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5454. Re: [acom-list] Re: Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 22:16:11 UTC
From: Hal Kennedy
Topic: 5447 Message: 5454

Measure output with a watt-meter. Its possible one of the diodes that rectifies the output to determine forward power, and is used to calculate gain, has let go. A simple fix. The diodes are transformer coupled right on the output. Nearby lightning strikes and other impulses can take them out - although they are nowhere near as sensitive as on the Alpha 99, the RF deck of which is "the same."
Hal N4GG

On 4/7/2013 5:31 PM, Barry N1EU wrote:
>
> Tubes are relatively new - a few years of light use. Same symptoms on
> multiple antennas. Parameters look normal, except gain.
>
> Barry N1EU
>
> On Sun, Apr 7, 2013 at 9:06 PM, kamarty456 <martins160@...
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> > > Barry N1EU
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5455. Re: [acom-list] Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 22:19:18 UTC
From: Hal Kennedy
Topic: 5447 Message: 5455

Low idle current sounds like a tube. Meanwhile, I have cycled about a
dozen pair in and out of my two 2000As and I have never been able adjust
any of them up to 325 ma. in either amp....from memory I think the best
I ever got to was 275 ma. The pots are all the way up in both amps...

N4GG

On 4/7/2013 5:46 PM, Barry N1EU wrote:
>
> I checked the bias current and the high level idle current seems low
> (220ma
> vs 375ma spec) so I'm going to try and adjust that and see if it makes a
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> > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > From: barry.n1eu@... <mailto:barry.n1eu%40gmail.com>
> > Date: Sun, 7 Apr 2013 21:31:31 +0000
> > Subject: Re: [acom-list] Re: Troubleshooting low gain, 2000A?
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5456. Re: [acom-list] Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 21:56:47 UTC
From: Brian Alsop
Topic: 5447 Message: 5456

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Hi Barry,

Sounds like one tube isn't doing it's thing.

73 de Brian/K3KO

On 4/7/2013 21:46, Barry N1EU wrote:
> I checked the bias current and the high level idle current seems low (220ma
> vs 375ma spec) so I'm going to try and adjust that and see if it makes a
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> > > > The manual just says to rerun Auto-Tune which doesn't help. Anybody
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> > > here before or have any suggestions?
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> > > > Thanks & 73,
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> > > > Barry N1EU
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> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2240 / Virus Database: 2641/5730 - Release Date: 04/07/13
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2240 / Virus Database: 2641/5730 - Release Date: 04/07/13

5457. Re: [acom-list] Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-07 23:07:57 UTC
From: Barry N1EU
Topic: 5447 Message: 5457

Thanks Brian, could be,

Now it's suddenly behaving a bit better: 11dB gain on 10-20M, although
still way under par. When I get a chance, I'll try a new set of tubes.

73, Barry N1EU

On Sun, Apr 7, 2013 at 9:56 PM, Brian Alsop <alsopb@...> wrote:

> Hi Barry,
>
> Sounds like one tube isn't doing it's thing.
>
> 73 de Brian/K3KO
>
> On 4/7/2013 21:46, Barry N1EU wrote:
> > I checked the bias current and the high level idle current seems low
> (220ma
> > vs 375ma spec) so I'm going to try and adjust that and see if it makes a
> > difference.
> >
> > If not and other advice comes forth, I'll swap the tubes in the next day
> or
> > two and see if that helps.
> >
> > Barry N1EU
> >
> > On Sun, Apr 7, 2013 at 9:35 PM, D G <radiodg@...
> > <mailto:radiodg%40hotmail.com>> wrote:
> >
> > > Some folks including myself, had a faulty tube go in 2-3 years, or say
> > > 4000+ hours of "light use" with amp in Standby mostly. DennisN3DG
> > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > > From: barry.n1eu@... <mailto:barry.n1eu%40gmail.com>
> > > Date: Sun, 7 Apr 2013 21:31:31 +0000
> > > Subject: Re: [acom-list] Re: Troubleshooting low gain, 2000A?
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> > > Tubes are relatively new - a few years of light use. Same symptoms
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> > >
> > > multiple antennas. Parameters look normal, except gain.
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> > > Barry N1EU
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> > > On Sun, Apr 7, 2013 at 9:06 PM, kamarty456 <martins160@...
> > <mailto:martins160%40excite.com>> wrote:
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> > > > Hi Barry..
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> > > > how many hours do you have on your tubes?
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> > > > Also have you tried testing using a dummy load?
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> > > > What are your parameters? High voltage, line voltage..etc
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> > > > Marty
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> > > > --- In acom-list@yahoogroups.com
> > <mailto:acom-list%40yahoogroups.com>, "N1EU" <barry.n1eu@...> wrote:
> > >
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5459. Re: Troubleshooting low gain, 2000A?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-10 10:41:55 UTC
From: N1EU
Topic: 5447 Message: 5459

The factory suggested that I erase the memory (holding ESC key while turning the main amp switch on). This in fact seems to have fixed the low gain problem. Since all the memory was erased, I need to set the tuning for all the band segments I use. Now I'm dealing with Auto-Tune complaints of "Check VSWR Please Remove Drive" even though the Acom Measure indicates very low SWR. Manual Tune works fine.

Anyhow, I'm back up and running although I'd like to sort out the Auto-Tune issue.

73, Barry N1EU

--- In acom-list@yahoogroups.com, Barry N1EU <barry.n1eu@...> wrote:
>
> Thanks Brian, could be,
>
> Now it's suddenly behaving a bit better: 11dB gain on 10-20M, although
> still way under par. When I get a chance, I'll try a new set of tubes.
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> 73, Barry N1EU
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> > > On Sun, Apr 7, 2013 at 9:35 PM, D G <radiodg@...
> > > <mailto:radiodg%40hotmail.com>> wrote:
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> > > > Some folks including myself, had a faulty tube go in 2-3 years, or say
> > > > 4000+ hours of "light use" with amp in Standby mostly. DennisN3DG
> > > > To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> > > > From: barry.n1eu@... <mailto:barry.n1eu%40gmail.com>

> > > > Date: Sun, 7 Apr 2013 21:31:31 +0000
> > > > Subject: Re: [acom-list] Re: Troubleshooting low gain, 2000A?
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> > > <mailto:acom-list%40yahoogroups.com>, "N1EU" <barry.n1eu@> wrote:
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5460. acom 2000a gain

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-10 17:49:51 UTC
From: Kenneth
Topic: 5460 Message: 5460

Here are my gain figures, measured on the control unit:
15.5 on 14 MHz and 21 MHz, and 16 on all other bands.
Is that about right?
Ken K5WK

5461. Wanted Acom 1011 - any condition

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-12 04:54:16 UTC
From: yo9hh
Topic: 5461 Message: 5461

Hello all,
Looking for a 1011 amplifier. Prefer working but will also consider in non-working condition, without tubes etc. as long as condition is accurately stated and price reflects condition. 1010 also considered. Both US and EU shipping address available. Let me know what you have.

5462. Re: Wanted Acom 1011 - any condition

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-12 14:39:25 UTC
From: Jay Terleski
Topic: 5461 Message: 5462

We have a working unit on our flea market page.
See it here
http://arraysolutions.com/Products/flea_market.htm

Array Solutions.

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

5463. Re: Wanted Acom 1011 - any condition

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-13 14:48:45 UTC
From: yo9hh
Topic: 5461 Message: 5463

Thanks for the offer, I'm interested, I want to see first if I can get any offers from EU, (shipping from US to EU will add significantly to the cost)
73

--- In acom-list@yahoogroups.com, Jay Terleski <jayt@...> wrote:
>
> We have a working unit on our flea market page.
> See it here
> http://arraysolutions.com/Products/flea_market.htm
>
> Array Solutions.
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
>
> [Non-text portions of this message have been removed]
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5464. Re: Wanted Acom 1011 - any condition

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-13 16:08:48 UTC
From: James
Topic: 5461 Message: 5464

i would go for the acom 1010, its a better amp really pleased with mine, not had mine long.. Vine antennas sell em thats where i got mine from and vine are in UK

James
G0SEC

--- In acom-list@yahoogroups.com, "yo9hh" <yo9hh@...> wrote:
>
> Thanks for the offer, I'm interested, I want to see first if I can get any offers from EU, (shipping from US to EU will add significantly to the cost)
> 73
>
> --- In acom-list@yahoogroups.com, Jay Terleski <jayt@> wrote:
> >
> > We have a working unit on our flea market page.
> > See it here
> > http://arraysolutions.com/Products/flea_market.htm
> >
> > Array Solutions.
> >
> > --
> > Jay Terleski
> > Array Solutions
> > 214 954 7140
> >
> >
> > [Non-text portions of this message have been removed]
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5465. Re: Wanted Acom 1011 - any condition

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-14 02:16:11 UTC
From: yo9hh
Topic: 5461 Message: 5465

The reason why I prefer a 1011. I have a 2 meter amp using 2x 4cx250 with separate supply, the plan is to power the 2m deck from the acom and save some room, get rid of the bulky supply I have for the 2 meter amp. So the idea is 2 amps, same type of tubes, same parameters, one supply. I suspect Ua is the same in both 1010 and 1011 but I don't know about Ug2. Also other aspects like current monitoring, I would be more confident starting this project from an amp configured for 2 tubes. I plan to install vacuum relays for HV supply and screen, switch the control signals to and from the other box, finally to have an additional switch on the panel to be able to switch from HF to VHF. So it would be a pity to do that to a pristine unit under warranty, I would rather hack one that's beyond any warranty! A good supply is essential.

--- In acom-list@yahoogroups.com, "James" <jamesg0sec@...> wrote:
>
> i would go for the acom 1010, its a better amp really pleased with mine, not had mine long.. Vine antennas sell em thats where i got mine from and vine are in UK
>
> James
> G0SEC
>
> --- In acom-list@yahoogroups.com, "yo9hh" <yo9hh@> wrote:
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> >
> > --- In acom-list@yahoogroups.com, Jay Terleski <jayt@> wrote:
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5466. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-16 07:49:17 UTC
From: Paul P
Topic: 5412 Message: 5466

Just to keep you all up to date with my Acom that slowly produces power.

It seems I have now cured it,I replaced the valve and the fault has vanished..its also back up to full power.

Does anyone know what the standing current is supposed to be ? With no drive applied and the amp in operate mine reads 20milliamps which I suspect might be a little bit low..

--- In acom-list@yahoogroups.com, "Paul P" <g4rra@...> wrote:
>
> Hello all
>
> My Acom 1000 has developed a strange fault,not really sure what to think about it.
>
> When the amp is first switched on and keyed no power comes out of it,then slowly the power appears as the bargraph slowly creeps up.
>
> It never reaches the heights it used to but it still runs about 70% of the previous power.
>
> There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive replaced the drive patch lead and also the rig just in case,but its still the same.
>
> It seems to work alright,but if its flicked to standby and then flicked back on it starts with no output power again,and slowly the bargraph creeps up to about 70% of previous power.
> The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.
>
> I just wondered if anyone else had had this problem before I launch into the inside of the amp.
>
> Regards
>
> Paul G4RRA
>

5467. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-16 12:49:31 UTC
From: Uffe
Topic: 5412 Message: 5467

Read Acom_1000_tube_replacement.doc in the files section of this mail group.

BIAS1 70 mA
BIAS2 220 mA

73 Uffe PA5DD

--- In acom-list@...m, "Paul P" <g4rra@...> wrote:
>
> Just to keep you all up to date with my Acom that slowly produces power.
>
> It seems I have now cured it,I replaced the valve and the fault has vanished..its also back up to full power.
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> > I just wondered if anyone else had had this problem before I launch into the inside of the amp.
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> > Regards
> >
> > Paul G4RRA

> >
>

5468. RE: [acom-list] Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-16 17:07:05 UTC
From: Kees - pa7two
Topic: 5412 Message: 5468

Connect a dummy load (or an antenna) to the output. Install all
cables to the exciter as usually. Now, feed mains voltage, turn on
the amplifier and let the tube at least 15 minutes in STANDBY mode.
Please guard the accessible HV parts during this period!

Select same bands (preferably lower) on both the amplifier and the exciter.

Use a small-size, flat-tip, insulated screwdriver for next
adjustments. On the MAINS PCB, find the two trimmer potentiometers
RP1 and RP2 (marked "BIAS1" and "BIAS2"). They control the idling
(zero-signal) plate current of the tubes for low- and high- RF-drive
levels respectively.

Please note that RP2 will affect both idling levels, while RP1 - only
the low level. That is why, the high level is adjusted the first, and
only then is set the low level (according to the procedure described below).

b) Select the "Plate Current" information screen on the LCD. Go to
the OPER mode. Apply very small drive power in CW mode (1...5W).
Following the plate current, adjust R2 (BIAS2) to reach 220mA
(200...240 is OK); CCW rotation will increase the current. Don't
exceed 15 seconds with the PTT on. If you need more, repeat the
adjustment 1-2 minutes later.

c) Do not apply any drive during the adjustment of R1 (BIAS1). Select
SSB mode, with the MIC and OUTPUT regulators on the exciter set to minimum.

While monitoring the plate current, adjust R1 (BIAS1) to set the
plate current to 70mA (60...80 is OK); CW rotation will increase the
current. This adjustment does not affect the previous step.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: pa5dd@...
Date: Tue, 16 Apr 2013 12:49:31 +0000
Subject: [acom-list] Re: Acom 1000 slowly producing power

Read Acom_1000_tube_replacement.doc in the files section of this mail group.

BIAS1 70 mA

BIAS2 220 mA

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Paul P" <g4rra@...> wrote:

>

> Just to keep you all up to date with my Acom that slowly produces power.

>

> It seems I have now cured it,I replaced the valve and the fault has vanished..its also back up to full power.

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> > Paul G4RRA

> >

>

[Non-text portions of this message have been removed]

5469. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-17 07:17:21 UTC
From: Paul P
Topic: 5412 Message: 5469

Thanks Uffe..I did just that yesterday and this morning tried to set the bias with those parameters and just could not reach the levels required.

last night the same problem occurred as last time,the power slowly coming up.ttogether with low power output so it's plainly a bias issue and not the valve..so at least I now know where the problem lies.

I will have a closer look today to see if I can work out what the problem is...I can't remember if there's a schematic in the back of the manual or not.

Thanks Paul
--- In acom-list@yahoogroups.com, "Uffe" <pa5dd@...> wrote:
>
> Read Acom_1000_tube_replacement.doc in the files section of this mail group.
>
> BIAS1 70 mA
> BIAS2 220 mA
>
> 73 Uffe PA5DD
>
> --- In acom-list@yahoogroups.com, "Paul P" <g4rra@> wrote:
> >
> > Just to keep you all up to date with my Acom that slowly produces power.
> >
> > It seems I have now cured it,I replaced the valve and the fault has vanished..its also back up to full power.
> >
> > Does anyone know what the standing current is supposed to be ? With no drive applied and the amp in operate mine reads 20milliamps which I suspect might be a little bit low..
> >
> >
> >
> > --- In acom-list@yahoogroups.com, "Paul P" <g4rra@> wrote:
> > >
> > > Hello all
> > >
> > > My Acom 1000 has developed a strange fault,not really sure what to think about it.
> > >
> > > When the amp is first switched on and keyed no power comes out of it,then slowly the power appears as the bargraph slowly creeps up.
> > >
> > > It never reaches the heights it used to but it still runs about 70% of the previous power.
> > >
> > > There are no alarms,no shutdowns,the SWR on the antenna is fine,Ive replaced the drive patch lead and also the rig just in case,but its still the same.

> > >
> > > It seems to work alright,but if its flicked to standby and then flicked back on it starts with no output power again,and slowly the bargraph creeps up to about 70% of previous power.
> > > The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.
> > >
> > > I just wondered if anyone else had had this problem before I launch into the inside of the amp.
> > >
> > > Regards
> > >
> > > Paul G4RRA
> > >
> >
>

5470. Re: Acom 1000 slowly producing power

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-18 08:45:14 UTC
From: Uffe
Topic: 5412 Message: 5470

Hi Paul,

If not there is a detailed schematic in the "acom1000_doc.zip" in the Files section.

Personally I do not like the dynamic biasing, so I disabled it by short-circuiting R11 on the MAINS PCB, and re-adjusting the bias setting (RP2) to around 120 - 150 mA.

Who knows, that might fix your problem as well, although it sounds the G1 supply is having some kind of problem.

73 Uffe PA5DD

--- In acom-list@yahoogroups.com, "Paul P" <g4rra@...> wrote:
>
>
> Thanks Uffe..I did just that yesterday and this morning tried to set the bias with those parameters and just could not reach the levels required.
>
> last night the same problem occurred as last time,the power slowly coming up.ttogether with low power output so it's plainly a bias issue and not the valve..so at least I now know where the problem lies.
>
> I will have a closer look today to see if I can work out what the problem is...I can't remember if there's a schematic in the back of the manual or not.
>
> Thanks Paul
> --- In acom-list@yahoogroups.com, "Uffe" <pa5dd@> wrote:
> >
> > Read Acom_1000_tube_replacement.doc in the files section of this mail group.
> >
> > BIAS1 70 mA
> > BIAS2 220 mA
> >
> > 73 Uffe PA5DD
> >
> > --- In acom-list@yahoogroups.com, "Paul P" <g4rra@> wrote:
> > >
> > > Just to keep you all up to date with my Acom that slowly produces power.
> > >
> > > It seems I have now cured it,I replaced the valve and the fault has vanished..its also back up to full power.
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> > >

> > >
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> > > > The only thing I have not done so far is put an external meter on it to see if what the bargraph says is happening..is actually whats happening.
> > > >
> > > > I just wondered if anyone else had had this problem before I launch into the inside of the amp.
> > > >
> > > > Regards
> > > >
> > > > Paul G4RRA
> > > >
> > > >
> > >
> >

5471. Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-19 01:22:40 UTC
From: john klim, N3KHK
Topic: 5471 Message: 5471

Hi all

I am thinking about buying the ACOM 1500 at Dayton. Owners of the ACOM 1500
I have a few questions.

How is the linear?

Any problems on any of the bands 160m to 6m?

How far have you pushed the power to?

Thanks in advance.

73 ES CUL DE N3KHK

John Klim

[Non-text portions of this message have been removed]

5472. Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-19 01:37:01 UTC
From: D G
Topic: 5471 Message: 5472

Hi John, have the ACOM 1500 dedicated to 6 meters and a backup on HF to the ACOM 2000A.
It's a great amp, although I rarely use it as 6 is rarely open.
It will safely deliver 1500 Watts which was what my Alpha 6 did, maybe a bit more, but the power supply is not as hefty as the ACOM 2000A so I would not push it that far.

Jay and Bob at Array Solutions do a great job in support, give it a go (no reason to wait for Dayton, you can buzz or email them for your order as they're shipping) !!!

73 and enjoy !

Dennis
N3DG

To: acom-list@yahoogroups.com
From: n3khk_john@...
Date: Thu, 18 Apr 2013 21:22:40 -0400
Subject: [acom-list] Questions on the Acom 1600

Hi all

I am thinking about buying the ACOM 1500 at Dayton. Owners of the ACOM 1500
I have a few questions.

How is the linear?

Any problems on any of the bands 160m to 6m?

How far have you pushed the power to?

Thanks in advance.

73 ES CUL DE N3KHK

John Klim

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5473. Re: [acom-list] Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-19 04:05:34 UTC
From: Doug Smith
Topic: 5471 Message: 5473

John,

I have a 1500 that I got last fall, just in time for CW SS. (Got a clean sweep using it!)

I use it on 160 - 10 meters and have no issues with it. No antenna for 6 meters yet. It'll put out 1.5 KW but I typically run 1.3 KW or so.

It's easy to tune, the QSK is great, it's relatively quiet. I don't think about it much -- it just works!

73,
Doug, W7KF
http://www.w7kf.com

On 04/18/2013 07:22 PM, john klim, N3KHK wrote:
> Hi all
>
> I am thinking about buying the ACOM 1500 at Dayton. Owners of the ACOM 1500
> I have a few questions.
>
> How is the linear?
>
> Any problems on any of the bands 160m to 6m?
>
> How far have you pushed the power to?
>
> Thanks in advance.
>
> 73 ES CUL DE N3KHK
>
> John Klim

5474. Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-20 07:04:09 UTC
From: moumoumousse
Topic: 5471 Message: 5474

HI Doug,

Thank's for your post.

I have an ACOM 1000 and the power is about 1KW with no problem.

So is the power of the ACOM 1500 really about 1.5 KW ? Because in France a good friend give me 1.2 KW with his 1500... so the difference is not too high to change my 1000 by a 1500 ;-(

Any one have some precision of measure ?

Best 73's and DX

Francis F6BLP - 6W7SK

--- In acom-list@yahoogroups.com, Doug Smith <doug@...> wrote:
>
> John,
>
> I have a 1500 that I got last fall, just in time for CW SS. (Got a
> clean sweep using it!)
>
> I use it on 160 - 10 meters and have no issues with it. No antenna for
> 6 meters yet. It'll put out 1.5 KW but I typically run 1.3 KW or so.
>
> It's easy to tune, the QSK is great, it's relatively quiet. I don't
> think about it much -- it just works!
>
> 73,
> Doug, W7KF
> http://www.w7kf.com
>
>
> On 04/18/2013 07:22 PM, john klim, N3KHK wrote:
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> >
> > How is the linear?
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> > Any problems on any of the bands 160m to 6m?
> >
> > How far have you pushed the power to?
> >
> > Thanks in advance.

> >
> > 73 ES CUL DE N3KHK
> >
> > John Klim
>

5475. ACOM 2000a Remote Operation

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-20 12:52:24 UTC
From: rcariello@...
Topic: 5475 Message: 5475

Dose anyone know what the maximum length the controller cable can be?
I would like to locate my 2000a within the room where I keep all my antenna relays. The control cable length from the 2000a and my 1000mp where I would keep the 2000a controller is about 130 feet. My thought is to simply wire up a cable with two DB9 connectors plug it in and see what happens. I am hoping someone has some information they are willing to share before I start this project.
Thanks for your help,
Rich AA2MF
P.S. I have had some trouble getting into this group. Please cc your messages to my personal email account. Rcariello@...

5476. RE: [acom-list] ACOM 2000a Remote Operation

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-20 17:01:21 UTC
From: Máximo EA1DDO_HK1H
Topic: 5475 Message: 5476

Hi Rich,

As far as I can read on the Acom manual, maximum lenght are three meters/9 ft for the remote control.
Not sure if you can use some kind of serial signal amplifier or repeter to extend that longer.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: rcariello@...
Date: Sat, 20 Apr 2013 12:52:24 +0000
Subject: [acom-list] ACOM 2000a Remote Operation

Dose anyone know what the maximum length the controller cable can be?

I would like to locate my 2000a within the room where I keep all my antenna relays. The control cable length from the 2000a and my 1000mp where I would keep the 2000a controller is about 130 feet. My thought is to simply wire up a cable with two DB9 connectors plug it in and see what happens. I am hoping someone has some information they are willing to share before I start this project.

Thanks for your help,

Rich AA2MF

P.S. I have had some trouble getting into this group. Please cc your messages to my personal email account. Rcariello@...

[Non-text portions of this message have been removed]

5477. Re: [acom-list] Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-20 18:35:39 UTC
From: Doug Smith
Topic: 5471 Message: 5477

Francis,

The difference between 1,000 watts and 1,500 watts is 1.76 DB. An S-Unit is typically 6 DB. So, jumping from 1,000 to 1,500 watts gets you about 1/3 of an S-Unit difference at the far end of the QSO.

I wanted the 6 meter capability of the ACOM-1500. If that had not been an issue I would have probably been able to find two used ACOM-1000 amps for about the same money. Then I would have had a spare amp!

I measure my output power with the ACOM-1500's internal meter and on an ancient Drake power meter. The two are in agreement that I can get 1500 watts out of the amp. But, as I said, I normally run at 1.3 KW or so. I'd rather get long tube life than the extra 200 watts (0.62 DB).

You could get that much gain by replacing RG-8 coax with LMR-600!

Loss at 30 MHz for a 33 meter length of coax:

RG-8 1.042 DB
LMR-600 0.421 DB
==========
0.621 DB Gain

73,
-Doug, W7KF
http://www.w7kf.com

On 04/20/2013 01:04 AM, moumoumousse wrote:
> HI Doug,
>
> Thank's for your post.
>
> I have an ACOM 1000 and the power is about 1KW with no problem.
>
> So is the power of the ACOM 1500 really about 1.5 KW ? Because in France
> a good friend give me 1.2 KW with his 1500... so the difference is not
> too high to change my 1000 by a 1500 ;-(
>
> Any one have some precision of measure ?
>
> Best 73's and DX
>
> Francis F6BLP - 6W7SK

5478. Acom 1500 nominal and protection values

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-20 18:55:00 UTC
From: f5nbu.hamradio
Topic: 5478 Message: 5478

Hi guys

I look for the nominal and protection values for the Acom 1500.
no information about on the operating manual !

best 73
Yann F5NBU

5479. Re: [acom-list] Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-20 19:18:12 UTC
From: Dean St. Hill
Topic: 5471 Message: 5479

Francis

I have an A1000 and when you look at the A1500 it is essentially the same basic electronics with a beefier power supply and different tube. I agree with Doug that there's not much difference between the 1k and 1.5k outputs.

In fact, when my A1000 was first in operation, I could get 1.2K easily on 40 and 80m but after maybe 5 years it runs closer to 1K as the tube has aged.

Personally I would not sell one to get the other but if I was looking for a new amp, I'd consider the A1500 for the higher output, better display, more robust power supply for my RTTY contests and more robust tube. I'd still run it around 1KW output but I'd feel a whole lot better knowing the safety factor.

In my view it is not in the league of the A2000 or Alpha 9500, 89's, 99's, 91B's etc. and doesn't have that "brick on the key forever" 1.5KW loafing ability. Instead I think it's fully 1.5K on SSB and 1.2K for RTTY and other high-duty modes.

To John's original question - While I do not own an A1500, I'd buy one in a heart-beat because its based on the electronics of a tried and proven performer in the A1000 with a solid tube, great display and quick and repeatable tuning system. i personally do not like amps with the multiple antenna outputs because I use external switching for 2 rigs so this is just another thing that could go wrong.

Regards,

Dean - 8P6SH

On Sat, Apr 20, 2013 at 2:35 PM, Doug Smith <doug@...> wrote:

> Francis,
>
> The difference between 1,000 watts and 1,500 watts is 1.76 DB. An
> S-Unit is typically 6 DB. So, jumping from 1,000 to 1,500 watts gets
> you about 1/3 of an S-Unit difference at the far end of the QSO.
>
> I wanted the 6 meter capability of the ACOM-1500. If that had not been
> an issue I would have probably been able to find two used ACOM-1000 amps
> for about the same money. Then I would have had a spare amp!
>
> I measure my output power with the ACOM-1500's internal meter and on an
> ancient Drake power meter. The two are in agreement that I can get 1500
> watts out of the amp. But, as I said, I normally run at 1.3 KW or so.

> I'd rather get long tube life than the extra 200 watts (0.62 DB).
>
> You could get that much gain by replacing RG-8 coax with LMR-600!
>
> Loss at 30 MHz for a 33 meter length of coax:
>
> RG-8 1.042 DB
> LMR-600 0.421 DB
> ======================
> 0.621 DB Gain
>
> 73,
> -Doug, W7KF
> http://www.w7kf.com
>
>
> On 04/20/2013 01:04 AM, moumoumousse wrote:
> > HI Doug,
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> > too high to change my 1000 by a 1500 ;-(
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> > Any one have some precision of measure ?
> >
> > Best 73's and DX
> >
> > Francis F6BLP - 6W7SK
>
>
> ------------------------------------
>
> Yahoo! Groups Links
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>
>
>

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Dean St.Hill
*
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*Counterpoint Consulting *
17 Ocean City
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Barbados

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246-266-8230
246-416-5277
*
*
dmsthill@...

[Non-text portions of this message have been removed]

5480. Re: ACOM 2000a Remote Operation

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-21 17:00:57 UTC
From: Dick Green WC1M
Topic: 5475 Message: 5480

As long as you're very careful to get the pin connections correct and don't short any of them, I don't' think there would be any harm in trying a 130-foot cable run. But I'm not 100% sure about that.

Also, I'm somewhat dubious about it working.

Unlike the RS-232 computer interface, the RCU interface appears to be TTL, which runs at +5VDC/0V rather than the RS-232 standard +15V/-15V (or thereabouts). Also unlike the RS-232 interface, the signals don't go through a level converter / line driver. The signals between the RCU and 2000A are buffered and have transistor drivers, but I don't know if they're sufficient to overcome losses due to resistance in the cable.

Of greater concern is the cable capacitance. The RS-232 standard doesn't specify a max length, but it does specify a max capacitance. The general rule of thumb is that RS-232 cables should be no more than 50 feet long unless special low-capacitance cable is used. Then runs can go up to 1000 feet. Something similar probably applies to the RCU interface, only it may be much more sensitive to cable capacitance. I would try to find the lowest-capacitance multi-conductor cable you can. Twisted pair Ethernet cable might do the trick.

If you do try it, I would thoroughly test all of the RCU and amp functions, especially under transmit conditions. There's a lot of communications traffic between the two devices. In particular, I would record all of the detailed status readings that you can access from the RCU, especially the numeric forward and reflected power values and LED indicator readings while transmitting into one of your antennas with the stock RCU cable. I would also try both autotuning and manually tuning while transmitting into an antenna, and record the positions of the Tune and Load capacitors. Then add the extension cable and verify that the numbers and LED indications are the same when you scroll through them, autotune, manually tune, etc. Make sure that the RCU/2000A responds promptly to all key strokes.

If there are issues, they're likely to affect the numbers/LEDs that get displayed and the response to keystrokes. It seems likely that the CPU in the 2000A would be unaffected by communication errors with the RCU and would continue to detect faults and protect the amp. But it's possible that if the RCU detects errors on its communications interface it may try to shut down the amp. Obviously, if the amp does something funny during transmit, stop immediately.

FWIW, my 2000A is in the basement under the shack. I had to add an extension cable to the RCU cable, but the total length is probably less than 15 feet. It works fine.

73, Dick WC1M

[Non-text portions of this message have been removed]

5481. Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-22 12:03:00 UTC
From: moumoumousse
Topic: 5471 Message: 5481

Thank's all my friends for replying.

I'm reading all the review to get a good opinion and decision.

So best 73's es DX.

Francis F6BLP/6W7SK

--- In acom-list@yahoogroups.com, Doug Smith <doug@...> wrote:
>
> Francis,
>
> The difference between 1,000 watts and 1,500 watts is 1.76 DB. An
> S-Unit is typically 6 DB. So, jumping from 1,000 to 1,500 watts gets
> you about 1/3 of an S-Unit difference at the far end of the QSO.
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> I wanted the 6 meter capability of the ACOM-1500. If that had not been
> an issue I would have probably been able to find two used ACOM-1000 amps
> for about the same money. Then I would have had a spare amp!
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> watts out of the amp. But, as I said, I normally run at 1.3 KW or so.
> I'd rather get long tube life than the extra 200 watts (0.62 DB).
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> You could get that much gain by replacing RG-8 coax with LMR-600!
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> Loss at 30 MHz for a 33 meter length of coax:
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> 73,
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>
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> > Any one have some precision of measure ?
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> > Best 73's and DX
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> > Francis F6BLP - 6W7SK
>

5482. Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-23 13:03:04 UTC
From: ON4VP
Topic: 5471 Message: 5482

Just to play the devil's advocate: I can argue about the amount of power. True that you need 6dB to have a full extra S-point but IMHO that's not what it does in real life where a few dB can make a lot of difference.

Take for example antennas where contesters and/or dx-ers have different ideas on how antennas should perform. Some look for best F/B ratio and others go for best forward gain but also there we're talking tenths of dB's and not more.

I always start from the point that a reference is a dipole at 1/2 wave above ground using 100 watts. All what you can improve is gain you can add in receive and when applying more power even more in transmit.

So going from 100 watts to 1000 watts adds 10dB but since drive power requires only 50 watts we even could talk about 12,5 dB. It's just how you look at it.

A good antenna, good coax and decent power brings you amongst the better heard stations if propagation allows. Also there a lot can be said about paths and heights and designs.

To me, I still notice a difference between going from 800 watts (very save usage of an Acom 1000) to 1500 watts (almost 3dB gain) with the Acom 2000.

I do find the 3dB to add more readability in most occasions at the opposite station. It's the same with the antenna. I went from 2 elements to 4 per band, also here the gain is noticeable better but My s-meter does not show all the time.

One thing is true for sure. If you can't make it with 1 KW you want make it either with 1,5 KW.

just my 2 cts.
73 Phil

[Non-text portions of this message have been removed]

5483. Re: [acom-list] Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-23 13:16:31 UTC
From: Glenn O'Donnell, K3PP
Topic: 5471 Message: 5483

It's like Olympic 100m sprints. The guy may win by only .001 second, but that's the difference between winning and losing! If you're only .1dB louder than me in the pileup, you win and I lose. In a contest, seconds matter. I will often trounce my nearby fellow competitors in contest pileups because I have the full power of my 2000A, big monobanders, and a killer QTH atop a nice hill. Every .001dB matters in my station.

If you're a casual operator, it doesn't matter. If you're a serious contester or DXer, it matters a lot!

VY 73 de Glenn K3PP

Sent from my iPhone

On Apr 23, 2013, at 6:03 AM, ON4VP <on4vp@...> wrote:

> Just to play the devil's advocate: I can argue about the amount of power.
> True that you need 6dB to have a full extra S-point but IMHO that's not
> what it does in real life where a few dB can make a lot of difference.
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> Take for example antennas where contesters and/or dx-ers have different
> ideas on how antennas should perform. Some look for best F/B ratio and
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> I always start from the point that a reference is a dipole at 1/2 wave
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> So going from 100 watts to 1000 watts adds 10dB but since drive power
> requires only 50 watts we even could talk about 12,5 dB. It's just how you
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> I do find the 3dB to add more readability in most occasions at the opposite
> station. It's the same with the antenna. I went from 2 elements to 4 per
> band, also here the gain is noticeable better but My s-meter does not show
> all the time.
>
> One thing is true for sure. If you can't make it with 1 KW you want make it
> either with 1,5 KW.

>
> just my 2 cts.
> 73 Phil
>
> [Non-text portions of this message have been removed]
>
>

[Non-text portions of this message have been removed]

5484. Re: [acom-list] Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-23 17:03:32 UTC
From: bobk8ia@...
Topic: 5471 Message: 5484

Even One dB can sometimes be huge, especially, for example, on 160. Read this work of AB7E and take a listen to his files. Good stuff here.

http://www.ab7e.com/weak_signal/mdd.html

73, Bob K8IA
President
Arizona Outlaws Contest Club - N7AT
http://www.arizonaoutlaws.net/

In a message dated 4/23/2013 6:16:49 A.M. US Mountain Standard Time, k3pp@k3pp.com writes:

It's like Olympic 100m sprints. The guy may win by only .001 second, but that's the difference between winning and losing! If you're only .1dB louder than me in the pileup, you win and I lose. In a contest, seconds matter. I will often trounce my nearby fellow competitors in contest pileups because I have the full power of my 2000A, big monobanders, and a killer QTH atop a nice hill. Every .001dB matters in my station.

If you're a casual operator, it doesn't matter. If you're a serious contester or DXer, it matters a lot!

VY 73 de Glenn K3PP

Sent from my iPhone

On Apr 23, 2013, at 6:03 AM, ON4VP <_on4vp@..._ (mailto:on4vp@...) > wrote:

> Just to play the devil's advocate: I can argue about the amount of power.
> True that you need 6dB to have a full extra S-point but IMHO that's not
> what it does in real life where a few dB can make a lot of difference.
>
> Take for example antennas where contesters and/or dx-ers have different
> ideas on how antennas should perform. Some look for best F/B ratio and
> others go for best forward gain but also there we're talking tenths of dB's
> and not more.
>
> I always start from the point that a reference is a dipole at 1/2 wave
> above ground using 100 watts. All what you can improve is gain you can add
> in receive and when applying more power even more in transmit.
>
> So going from 100 watts to 1000 watts adds 10dB but since drive power

> requires only 50 watts we even could talk about 12,5 dB. It's just how
you
> look at it.
>
> A good antenna, good coax and decent power brings you amongst the better
> heard stations if propagation allows. Also there a lot can be said about
> paths and heights and designs.
>
> To me, I still notice a difference between going from 800 watts (very
save
> usage of an Acom 1000) to 1500 watts (almost 3dB gain) with the Acom
2000.
>
> I do find the 3dB to add more readability in most occasions at the
opposite
> station. It's the same with the antenna. I went from 2 elements to 4 per
> band, also here the gain is noticeable better but My s-meter does not
show
> all the time.
>
> One thing is true for sure. If you can't make it with 1 KW you want make
it
> either with 1,5 KW.
>
> just my 2 cts.
> 73 Phil
>
> [Non-text portions of this message have been removed]
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>

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[Non-text portions of this message have been removed]

5485. Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-24 14:50:02 UTC
From: groundwave
Topic: 5471 Message: 5485

I think the real value of the 1500 is that the tube it uses, although expensive will be available for some time and that it covers 6M.
Overall, at it's price point, I think it's a puzzling marketing choice for ACOM.
A 2 db power advantage could be overcome by many factors, not the least of which is operator skill and judgement.
W8KX

--- In acom-list@yahoogroups.com, bobk8ia@... wrote:
>
>
>
> Even One dB can sometimes be huge, especially, for example, on 160. Read
> this work of AB7E and take a listen to his files. Good stuff here.
>
> http://www.ab7e.com/weak_signal/mdd.html
>
>
>
>
> 73, Bob K8IA
> President
> Arizona Outlaws Contest Club - N7AT
> http://www.arizonaoutlaws.net/
>
>
>
>
> In a message dated 4/23/2013 6:16:49 A.M. US Mountain Standard Time,
> k3pp@... writes:
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> will often trounce my nearby fellow competitors in contest pileups because
> I have the full power of my 2000A, big monobanders, and a killer QTH atop a
> nice hill. Every .001dB matters in my station.
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> If you're a casual operator, it doesn't matter. If you're a serious
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>
> VY 73 de Glenn K3PP
>

> Sent from my iPhone
>
> On Apr 23, 2013, at 6:03 AM, ON4VP <_on4vp@..._
> (mailto:on4vp@...) > wrote:
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5486. Re: [acom-list] Re: Questions on the Acom 1600

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-24 16:40:43 UTC
From: W5OV@...
Topic: 5471 Message: 5486

"Overall, at it's price point, I think it's a puzzling marketing choice for ACOM".

Interesting comment.

As an Acom Dealer, the niche that the 1500 fills has been long sought-after. 1500w output 160 through 6m. Especially the 1500w on 6m part of it has been in demand. While the 1500 is being purchased and added to many stations these days, the 1000 remains in high demand too - even though it is limited to 1kW output (by spec) it represents a bargain in a 160 -> 6m amp.

The 1500 has a few new features over the 1000 which make using it very nice. The new VFD type display is clear and easy to read. Some find the 3 antenna outputs of value, some do not. I particularly like the new automatic reset from minor trip protections. Serious faults will still stop the amp cold, but normal stuff is reset just by stopping your transmission.

Bob W5OV
Array Solutions

> I think the real value of the 1500 is that the tube it uses, although
> expensive will be available for some time and that it covers 6M.
> Overall, at it's price point, I think it's a puzzling marketing choice for
> ACOM.
> A 2 db power advantage could be overcome by many factors, not the least of
> which is operator skill and judgement.
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>> http://www.ab7e.com/weak_signal/mdd.html
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>> 73, Bob K8IA
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> Yahoo! Groups Links
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5487. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-24 16:53:37 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 5487

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /ACOM1500_VFD-Measurands_Typical-Values.xls
Uploaded by : f5nbu.hamradio <f5nbu@...>
Description : Acom 1500 nominal and protection values

You can access this file at the URL:
http://groups.yahoo.com/group/acom-list/files/ACOM1500_VFD-Measurands_Typical-Values.xls

To learn more about file sharing for your group, please visit:
http://help.yahoo.com/l/us/yahoo/groups/original/members/web/index.html
Regards,

f5nbu.hamradio <f5nbu@...>

5488. Test

Yahoo group: acom-list (2010 — 2016)
Date: 2013-04-29 22:27:50 UTC
From: Mike Harris
Topic: 379 Message: 5488

email change

5489. Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-01 20:12:24 UTC
From: Ted McDonald
Topic: 5489 Message: 5489

I just bought an Acom 2000a amplifier and have it hooked up with an Icom transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY contesting. I have it set up to auto-track frequency and band changes, which it does perfectly. However, occasionally the amp receives a false signal to change frequency, which it tries to do followed immediately by the amp re-tuning to the correct frequency. I hear the stepper relays once, and then again to reset back to where it was. This may happen once an hour, or sometimes less frequently. Completely random. Has anyone else experienced this??

Ted K7OM

[Non-text portions of this message have been removed]

5490. Re: [acom-list] Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-04 03:32:36 UTC
From: kg4lru@...
Topic: 5489 Message: 5490

If your stepper has a early SDR 1000 controller Icom radios will cause the antenna to change Freq without warning ,I hope you have the keying interrupt in line . You will need to contact stepper on Monday to swap your older one with a newer rs 232 interface . In the mean time keep the antenna in manual mode . This issues rares its heads on the newer Icom Like the 7800,7600, and Pro III mostly 7700/7800 .

73

AI4DQ

Phil

In a message dated 5/1/2013 4:12:27 P.M. Eastern Daylight Time, tedk7om@yahoo.com writes:

I just bought an Acom 2000a amplifier and have it hooked up with an Icom transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY contesting. I have it set up to auto-track frequency and band changes, which it does perfectly. However, occasionally the amp receives a false signal to change frequency, which it tries to do followed immediately by the amp re-tuning to the correct frequency. I hear the stepper relays once, and then again to reset back to where it was. This may happen once an hour, or sometimes less frequently. Completely random. Has anyone else experienced this??

Ted K7OM

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[Non-text portions of this message have been removed]

5491. Re: [acom-list] Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-04 18:19:10 UTC
From: Ted McDonald
Topic: 5489 Message: 5491

Phil,

Thanks very much for your help. I will look into this in the next day or so and see if that corrects the problem. Not at the shack now so can't check it right away. Again, thanks, and I'll let you know what I find.

Ted K7OM

From: "kg4lru@..." <kg4lru@...>
To: acom-list@yahoogroups.com
Sent: Friday, May 3, 2013 11:32 PM
Subject: Re: [acom-list] Acom 2000a Amlifier

If your stepper has a early SDR 1000 controller Icom radios will cause the antenna to change Freq without warning ,I hope you have the keying interrupt in line . You will need to contact stepper on Monday to swap your older one with a newer rs 232 interface . In the mean time keep the antenna in manual mode . This issues rares its heads on the newer Icom Like the 7800,7600, and Pro III mostly 7700/7800 .

73

AI4DQ

Phil

In a message dated 5/1/2013 4:12:27 P.M. Eastern Daylight Time, mailto:tedk7om%40yahoo.com writes:

I just bought an Acom 2000a amplifier and have it hooked up with an Icom transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY contesting. I have it set up to auto-track frequency and band changes, which it does perfectly. However, occasionally the amp receives a false signal to change frequency, which it tries to do followed immediately by the amp re-tuning to the correct frequency. I hear the stepper relays once, and then again to reset back to where it was. This may happen once an hour, or sometimes less frequently. Completely random. Has anyone else experienced this??

Ted K7OM

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[Non-text portions of this message have been removed]

5492. Acom 2000A Amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-04 18:23:46 UTC
From: D G
Topic: 5489 Message: 5492

Also with some devices and RS-232 (not your case, as you are using C-IV) and with say Ham Radio Deluxe, by:-Going to HRD/Tools/Program Options/Comms, SELECT Only Poll Radio if HRD is Active Application--this may give another clue to you about polling conflicts.-Making sure your VFO A = B nad both track together, as the split frequency can create a frequency ambiguity that creates occasional hopping. 73, DennisN3DG
To: acom-list@yahoogroups.com
From: tedk7om@...
Date: Sat, 4 May 2013 11:19:10 -0700
Subject: Re: [acom-list] Acom 2000a Amlifier

Phil,

Thanks very much for your help. I will look into this in the next day or so and see if that corrects the problem. Not at the shack now so can't check it right away. Again, thanks, and I'll let you know what I find.

Ted K7OM

From: "kg4lru@..." <kg4lru@...>

To: acom-list@yahoogroups.com

Sent: Friday, May 3, 2013 11:32 PM

Subject: Re: [acom-list] Acom 2000a Amlifier

If your stepper has a early SDR 1000 controller Icom radios will cause the

antenna to change Freq without warning ,I hope you have the keying

interrupt in line . You will need to contact stepper on Monday to swap your older

one with a newer rs 232 interface . In the mean time keep the antenna in

manual mode . This issues rares its heads on the newer Icom Like the

7800,7600, and Pro III mostly 7700/7800 .

73

AI4DQ

Phil

In a message dated 5/1/2013 4:12:27 P.M. Eastern Daylight Time,

mailto:tedk7om%40yahoo.com writes:

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Ted K7OM

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[Non-text portions of this message have been removed]

5493. Re: Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-04 22:29:02 UTC
From: Ralph
Topic: 5489 Message: 5493

Ted,
I can not recall if the original Microham DigiKeyer had a dedicated ICOM CI-V output for amplifier control or not. If you have the radio, the amplifier and the computer all hooked together as one, such as using an ICOM CT-17 it will result in false signals exactly as you describe. The 2000A is polling the radio and butts heads with the computer.
ICOM states; Radio to computer on the CI-V buss only,nothing else. The MicroHam Digi-Keyer 2 does have an isolated CI-V output for the ICOM PW-1 amplifier to solve that problem. That is the link to use for the ACOM 2000A amplifier. Works like a champ. No polling problems.
W1ZK

--- In acom-list@yahoogroups.com, Ted McDonald <tedk7om@...> wrote:
>
> I just bought an Acom 2000a amplifier and have it hooked up with an Icom transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY contesting. I have it set up to auto-track frequency and band changes, which it does perfectly. However, occasionally the amp receives a false signal to change frequency, which it tries to do followed immediately by the amp re-tuning to the correct frequency. I hear the stepper relays once, and then again to reset back to where it was. This may happen once an hour, or sometimes less frequently. Completely random. Has anyone else experienced this??
>
> Ted K7OM
>
> [Non-text portions of this message have been removed]
>

5494. Acom 2000A Amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-04 22:47:29 UTC
From: D G
Topic: 5489 Message: 5494

Ted, since you've put some logical thought into this, for the Non-C-IV Crowd (RS-232 folks), I suppose the use of a B&B Port Splitter 9PDMS will enable the ACOM 2000A to get the inital tracking signal, yet not poll further. I have used that model with Yaesu FTDX9000D, HRD on PC, Palstar AT AUTO and SteppIR Box. Perhaps split from the rig with one leg to ACOM 2000A RCU and the other to the PC. If you look at the datasheet, it gives a diagram on the internals/diodes for isolation. http://www.bb-elec.com/Products/Serial-Connectivity/Serial-Data-Tools-Adapters/Port-Splitters.aspx What you think ??? 73, DennisN3DG
To: acom-list@yahoogroups.com
From: joebrown1@comcast.net
Date: Sat, 4 May 2013 22:29:02 +0000
Subject: [acom-list] Re: Acom 2000a Amlifier

Ted,

I can not recall if the original Microham DigiKeyer had a dedicated ICOM CI-V output for amplifier control or not. If you have the radio, the amplifier and the computer all hooked together as one, such as using an ICOM CT-17 it will result in false signals exactly as you describe. The 2000A is polling the radio and butts heads with the computer.

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> Ted K7OM

>

> [Non-text portions of this message have been removed]

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5495. Re: [acom-list] Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-05 03:26:13 UTC
From: kg4lru@...
Topic: 5489 Message: 5495

If your running the Icom this will fix for sure IF you do not have an amp interupter installed get the steppir unit it will save your Butt , and antenna .

73

Phil

In a message dated 5/4/2013 2:19:15 P.M. Eastern Daylight Time, tedk7om@... writes:

Phil,

Thanks very much for your help. I will look into this in the next day or so and see if that corrects the problem. Not at the shack now so can't check it right away. Again, thanks, and I'll let you know what I find.

Ted K7OM

From: "_kg4lru@..._ (mailto:kg4lru@...) " <_kg4lru@..._ (mailto:kg4lru@...) >
To: _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com)
Sent: Friday, May 3, 2013 11:32 PM
Subject: Re: [acom-list] Acom 2000a Amlifier

If your stepper has a early SDR 1000 controller Icom radios will cause the antenna to change Freq without warning ,I hope you have the keying interrupt in line . You will need to contact stepper on Monday to swap your older
one with a newer rs 232 interface . In the mean time keep the antenna in manual mode . This issues rares its heads on the newer Icom Like the 7800,7600, and Pro III mostly 7700/7800 .

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AI4DQ

Phil

In a message dated 5/1/2013 4:12:27 P.M. Eastern Daylight Time, mailto:tedk7om%40yahoo.com writes:

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[Non-text portions of this message have been removed]

5496. Re: [acom-list] Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-08 16:50:55 UTC
From: Ted McDonald
Topic: 5489 Message: 5496

Phil,
After reading your reply to help with the random false keying issue I have with my Acom 2000a amplifier, I see that my original message could easily be miss-understood about the "stepper" relay. I do not have the SteppIR antenna. When the Acom 2000a gets a signal to re-tune, ITS stepper relays kick in and does the tuning to the next frequency segment, or new band. Something in either the IC-7800, the MicroHam DigiKeyer interface unit, or the PC program (N1MM) is sending occasional false signals that are momentarily acted on by the amp, followed immediately by the amp resetting to where it was.
I've had several other suggestions that I am looking into now. Again, thanks for your help.

Ted K7OM

From: "kg4lru@..." <kg4lru@...>
To: acom-list@yahoogroups.com
Sent: Saturday, May 4, 2013 11:26 PM
Subject: Re: [acom-list] Acom 2000a Amlifier

If your running the Icom this will fix for sure IF you do not have an amp interupter installed get the steppir unit it will save your Butt , and antenna .

73

Phil

In a message dated 5/4/2013 2:19:15 P.M. Eastern Daylight Time, tedk7om@... writes:

Phil,

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Ted K7OM

From: "_kg4lru@..._ (mailto:kg4lru@aol.com) " <_kg4lru@..._ (mailto:kg4lru@...) >
To: _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com)
Sent: Friday, May 3, 2013 11:32 PM
Subject: Re: [acom-list] Acom 2000a Amlifier

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AI4DQ

Phil

In a message dated 5/1/2013 4:12:27 P.M. Eastern Daylight Time, mailto:tedk7om%40yahoo.com writes:

I just bought an Acom 2000a amplifier and have it hooked up with an Icom transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY contesting. I have it set up to auto-track frequency and band changes, which it
does perfectly. However, occasionally the amp receives a false signal to change frequency, which it tries to do followed immediately by the amp re-tuning to the correct frequency. I hear the stepper relays once, and then
again to reset back to where it was. This may happen once an hour, or sometimes less frequently. Completely random. Has anyone else experienced this??

Ted K7OM

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5497. Re: [acom-list] Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-08 21:04:13 UTC
From: kg4lru@...
Topic: 5489 Message: 5497

yes its simelar to what the stepper was doing sounds like micro keyer is sending the acom to a different segement .

good luck

73

Phil ai4dq

In a message dated 5/8/2013 12:51:01 P.M. Eastern Daylight Time, tedk7om@... writes:

[Non-text portions of this message have been removed]

5498. Re: Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-09 14:27:56 UTC
From: k2jsr
Topic: 5489 Message: 5498

Ted,

Part of the problem is terminology. If you are referring to the auto-tune system in the Acom 2000a, using the term "stepper motors" would easily resolve the ambiguity with SteppIR relays for other readers.

Good Luck & 73,
Don
N4DK

--- In acom-list@yahoogroups.com, Ted McDonald <tedk7om@...> wrote:
>
> Phil,
> After reading your reply to help with the random false keying issue I have with my Acom 2000a amplifier, I see that my original message could easily be miss-understood about the "stepper" relay. I do not have the SteppIR antenna. When the Acom 2000a gets a signal to re-tune, ITS stepper relays kick in and does the tuning to the next frequency segment, or new band. Something in either the IC-7800, the MicroHam DigiKeyer interface unit, or the PC program (N1MM) is sending occasional false signals that are momentarily acted on by the amp, followed immediately by the amp resetting to where it was.Â
> I've had several other suggestions that I am looking into now. Again, thanks for your help.
>
> Ted Â K7OM
>
>
>
> _____
> From: "kg4lru@..." <kg4lru@...>
> To: acom-list@yahoogroups.com
> Sent: Saturday, May 4, 2013 11:26 PM
> Subject: Re: [acom-list] Acom 2000a Amlifier
>
>
>
> Â
> If your running the Icom this will fix for sure IF you do not have an amp
> interupter installed get the steppir unit it will save your Butt , and
> antenna .
>
>
> 73
>
> Phil
>
>

> In a message dated 5/4/2013 2:19:15 P.M. Eastern Daylight Time,
> tedk7om@... writes:
>
> Phil,
>
> Thanks very much for your help. I will look into this in the next day or
> so and see if that corrects the problem. Not at the shack now so can't check
> it right away. Again, thanks, and I'll let you know what I find.
>
> Ted K7OM
>
> _____
> From: "_kg4lru@..._ (mailto:kg4lru@...) " <_kg4lru@..._
> (mailto:kg4lru@...) >
> To: _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com)
> Sent: Friday, May 3, 2013 11:32 PM
> Subject: Re: [acom-list] Acom 2000a Amlifier
>
> If your stepper has a early SDR 1000 controller Icom radios will cause the
> antenna to change Freq without warning ,I hope you have the keying
> interrupt in line . You will need to contact stepper on Monday to swap
> your older
> one with a newer rs 232 interface . In the mean time keep the antenna in
> manual mode . This issues rares its heads on the newer Icom Like the
> 7800,7600, and Pro III mostly 7700/7800 .
>
> 73
>
> AI4DQ
>
> Phil
>
> In a message dated 5/1/2013 4:12:27 P.M. Eastern Daylight Time,
> mailto:tedk7om%40yahoo.com writes:
>
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> transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY
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> which it
> does perfectly. However, occasionally the amp receives a false signal to
> change frequency, which it tries to do followed immediately by the amp
> re-tuning to the correct frequency. I hear the stepper relays once, and
> then
> again to reset back to where it was. This may happen once an hour, or
> sometimes less frequently. Completely random. Has anyone else experienced
> this??
>
> Ted K7OM
>
> [Non-text portions of this message have been removed]

>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
>

5499. Re: [acom-list] Re: Acom 2000a Amlifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-10 01:13:22 UTC
From: Ted McDonald
Topic: 5489 Message: 5499

Good point, Don. I realized that after sending the email. From now on, its "stepper motor" and has nothing to do with the SteppIR antennas.

Ted K7OM

From: k2jsr <n4dk@...>
To: acom-list@yahoogroups.com
Sent: Thursday, May 9, 2013 10:27 AM
Subject: [acom-list] Re: Acom 2000a Amlifier

Ted,

Part of the problem is terminology. If you are referring to the auto-tune system in the Acom 2000a, using the term "stepper motors" would easily resolve the ambiguity with SteppIR relays for other readers.

Good Luck & 73,
Don
N4DK

--- In acom-list@yahoogroups.com, Ted McDonald <tedk7om@...> wrote:
>
> Phil,
> After reading your reply to help with the random false keying issue I have with my Acom 2000a amplifier, I see that my original message could easily be miss-understood about the "stepper" relay. I do not have the SteppIR antenna. When the Acom 2000a gets a signal to re-tune, ITS stepper relays kick in and does the tuning to the next frequency segment, or new band. Something in either the IC-7800, the MicroHam DigiKeyer interface unit, or the PC program (N1MM) is sending occasional false signals that are momentarily acted on by the amp, followed immediately by the amp resetting to where it was.Â
> I've had several other suggestions that I am looking into now. Again, thanks for your help.
>
> Ted Â K7OM
>
>
>
> ---
> From: "kg4lru@..." <kg4lru@...>
> To: acom-list@yahoogroups.com
> Sent: Saturday, May 4, 2013 11:26 PM
> Subject: Re: [acom-list] Acom 2000a Amlifier
>
>
>

> Â
> If your running the Icom this will fix for sure IF you do not have an amp
> interupter installed get the steppir unit it will save your Butt , and
> antenna .
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>
> 73
>
> Phil
>
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> tedk7om@... writes:
>
> Phil,
>
> Thanks very much for your help. I will look into this in the next day or
> so and see if that corrects the problem. Not at the shack now so can't check
> it right away. Again, thanks, and I'll let you know what I find.
>
> Ted K7OM
>
> _____
> From: "_kg4lru@..._ (mailto:kg4lru@...) " <_kg4lru@..._
> (mailto:kg4lru@...) >
> To: _acom-list@yahoogroups.com_ (mailto:acom-list@yahoogroups.com)
> Sent: Friday, May 3, 2013 11:32 PM
> Subject: Re: [acom-list] Acom 2000a Amlifier
>
> If your stepper has a early SDR 1000 controller Icom radios will cause the
> antenna to change Freq without warning ,I hope you have the keying
> interrupt in line . You will need to contact stepper on Monday to swap
> your older
> one with a newer rs 232 interface . In the mean time keep the antenna in
> manual mode . This issues rares its heads on the newer Icom Like the
> 7800,7600, and Pro III mostly 7700/7800 .
>
> 73
>
> AI4DQ
>
> Phil
>
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> transceiver, a Microham DigiKeyer interface, and am using N1MM for RTTY
> contesting. I have it set up to auto-track frequency and band changes,
> which it

> does perfectly. However, occasionally the amp receives a false signal to
> change frequency, which it tries to do followed immediately by the amp
> re-tuning to the correct frequency. I hear the stepper relays once, and
> then
> again to reset back to where it was. This may happen once an hour, or
> sometimes less frequently. Completely random. Has anyone else experienced
> this??
>
> Ted K7OM
>
> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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> [Non-text portions of this message have been removed]
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5500. Dayton

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-18 02:50:14 UTC
From: k2cb_eric
Topic: 5500 Message: 5500

Any specials on new Acom amps at Dayton this year?

Eric
K2CB

5501. error codes

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-18 11:56:29 UTC
From: gm0egi@btinternet.com
Topic: 5501 Message: 5501

Hi,
Can Anyone tell me where I can get the excel sheet that decodes the error codes for acom 1000 ?. My linear has been going into auto protect on standby, it may be the output relay but I am not sure.
Any help would be gratefully received.
73
Brian
GM0EGI

5502. Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-19 09:18:10 UTC
From: dodgy_dxer
Topic: 5502 Message: 5502

Hi All

While I am new (but used) Acom 2000A user my friend has picked up an Acom 1000 with a dead display.

Has anyone had this fault before? We think it is the display and not the backlight

Any help appreciated

Many thanks

73 Fred
G4BWP - A65BD

5503. Re: [acom-list] Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-19 10:35:04 UTC
From: W5OV@...
Topic: 5502 Message: 5503

A true display failure would be rare. Much more common is just having the brightness adjusted improperly. Check the manual for details about how to get the display back to full brightness.

> Hi All
>
> While I am new (but used) Acom 2000A user my friend has picked up an Acom
> 1000 with a dead display.
>
> Has anyone had this fault before? We think it is the display and not the
> backlight
>
> Any help appreciated
>
> Many thanks
>
> 73 Fred
> G4BWP - A65BD
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
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>

5504. Re: [acom-list] Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-19 15:36:46 UTC
From: Steve Tripp (K1IIG)
Topic: 5502 Message: 5504

Fred,
My Acom 2000 also has a dead display and I have not found anyone who has repaired them. The RCU works fine and if your friend,s RCU is
dead, meaning it will not turn on the amp; try reseating the cable connector inside the RCU. This solved that issue but not the display.
73's
Steve

A true display failure would be rare. Much more common is just having the
brightness adjusted improperly. Check the manual for details about how to
get the display back to full brightness.

> Hi All
>
> While I am new (but used) Acom 2000A user my friend has picked up an Acom
> 1000 with a dead display.
>
> Has anyone had this fault before? We think it is the display and not the
> backlight
>
> Any help appreciated
>
> Many thanks
>
> 73 Fred
> G4BWP - A65BD
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
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>
>

[Non-text portions of this message have been removed]

5505. FT 950 TX tripping when driving Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-20 07:50:17 UTC
From: gm0kmj
Topic: 5505 Message: 5505

Hi,
Our Radio club was /P at the weekend and had problems with the club FT 950 when driving up the Acom 100 amp.
Any tips on avoidng FT 950 tripping out on TX when driving up the 1000 amp, radio seems OK till about 20 watts drive then TX trips when increasing power level. Someone suggested stray RF on the DC power lead to the FT 950, will try fitting big ferrite to the DC cable.
Any other tips ??

GM0KMJ
Paul

5506. 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-21 23:51:29 UTC
From: ZL2AAA
Topic: 5304 Message: 5506

Hi All Is anyone using a filter between the Acom and the Transceiver if so what type and are construction details available?Morrie

5507. Re: [acom-list] 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-22 07:24:25 UTC
From: paim
Topic: 5304 Message: 5507

you mean buffer ?

vy 73
E.P g0uut

_____
From: ZL2AAA <zl2aaa@...>
To: acom-list@yahoogroups.com
Sent: Wednesday, 22 May 2013, 0:51
Subject: [acom-list] 1000

Hi All Is anyone using a filter between the Acom and the Transceiver if so what type and are construction details available?Morrie

[Non-text portions of this message have been removed]

5513. HV too low at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-23 03:17:17 UTC
From: Sigismonti Ronald
Topic: 5513 Message: 5513

I arrived home tonight to find my Acom 2000A will not complete the boot up process, flatting at the end of the standby period and giving a message stating, "HV too low at startup - 0.96KV". This one is a new one on me and I am not sure what my first step should be. Anyone with experience with this or who has any ideas?

Thanks de Sig, N3RS

5514. Re: [acom-list] HV too low at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-23 12:00:57 UTC
From: Ted McDonald
Topic: 5513 Message: 5514

If it were mine, I'd get in touch with Array Solutions either by phone or email.

73, Ted K7OM

From: Sigismonti Ronald <n3rs@...>
To: acom-list@yahoogroups.com
Sent: Wednesday, May 22, 2013 11:17 PM
Subject: [acom-list] HV too low at startup

I arrived home tonight to find my Acom 2000A will not complete the boot up process, flatting at the end of the standby period and giving a message stating, "HV too low at startup - 0.96KV". This one is a new one on me and I am not sure what my first step should be. Anyone with experience with this or who has any ideas?

Thanks de Sig, N3RS

[Non-text portions of this message have been removed]

5515. RE: [acom-list] HV too low at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-23 12:07:49 UTC
From: Bob Naumann
Topic: 5513 Message: 5515

Ted has a good idea, Sig.

This is one of the more common errors to see on a 2000, even though this type of failure is pretty rare too - as you know.

Your amp is 10+ years old?

Give Jay a call today between 11A EST and 5PM EST and he can assist you in narrowing down what the likely problem is.

Bob W5OV
Array Solutions
Acom Distributor North America
1 (214) 954-7140

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ted McDonald
Sent: Thursday, May 23, 2013 7:01 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] HV too low at startup

If it were mine, I'd get in touch with Array Solutions either by phone or email.

73, Ted K7OM

From: Sigismonti Ronald <n3rs@...>
To: acom-list@yahoogroups.com
Sent: Wednesday, May 22, 2013 11:17 PM
Subject: [acom-list] HV too low at startup

I arrived home tonight to find my Acom 2000A will not complete the boot up process, flatting at the end of the standby period and giving a message stating, "HV too low at startup - 0.96KV". This one is a new one on me and I am not sure what my first step should be. Anyone with experience with this or who has any ideas?

Thanks de Sig, N3RS

[Non-text portions of this message have been removed]

Yahoo! Groups Links

5516. Re: [acom-list] HV too low at startup

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-23 22:36:38 UTC
From: Dean St. Hill @ gmail
Topic: 5513 Message: 5516

I hope it is not a drastic fault. You should contact Jay or Bob ar Array. They can walk you through some troubleshooting steps. If not the factory guys in Bulgaria are exceptional as well.

You will need to have the error codes ready so they can be analyzed.

73 8P6SH

Sigismonti Ronald <n3rs@...> wrote:

>I arrived home tonight to find my Acom 2000A will not complete the boot
>up process, flatting at the end of the standby period and giving a
>message stating, "HV too low at startup - 0.96KV". This one is a new
>one on me and I am not sure what my first step should be. Anyone with
>experience with this or who has any ideas?
>
>Thanks de Sig, N3RS

--
Sent from my Android phone with K-9 Mail. Please excuse my brevity.

[Non-text portions of this message have been removed]

5517. Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-26 11:42:57 UTC
From: kangyoungtae
Topic: 5517 Message: 5517

Hi,
Can anyone let me know the startup sequence of ACOM 2000A?
Cooling fan of my ACOM 2000A does not start during startup sequence. So I wonder when cooling fan should start to run in the sequence.
I remember the sequence was as follows.
Power on at RCU -> all LEDs at RCU go to on with beep -> after about 2 second, warm-up countdown starts and all LEDs(except for POWER and STB) go to off at the same time -> after about 2 second, cooling fan starts to run. Is it right?

73,
Kang/HL5NLQ

5518. ACOM 2000 Arc Fault and intermittant Receive

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-27 08:50:00 UTC
From: Dennis Vernacchia
Topic: 5518 Message: 5518

In WPX Contest this weekend, ACOM 2000 started

tripping off from OPR to STBY and error message was ARC FAULT

Put my spare ACOM 2000 on line and no issues so I know it was no

equipment or antenna issue.

Is this likely to be the Output Vacuum Relay or the Input relay

or both ?

73, Dennis N6KI

[Non-text portions of this message have been removed]

5519. Re: [acom-list] ACOM 2000 Arc Fault and intermittant Receive

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-27 09:39:52 UTC
From: Gordienko V.A. KRONTEX
Topic: 5518 Message: 5519

I had the same problem once. The cause was found was bad PL-259 connector of my antenna switcher:
diameter of central contact was a little bit less. I spent whole day to find it out by method of exclusion.

73 Vladimir (Bob) UT1IA
http://www.qsl.net/ut1ia

From: Dennis Vernacchia
Sent: Monday, May 27, 2013 11:50 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000 Arc Fault and intermittant Receive

In WPX Contest this weekend, ACOM 2000 started

tripping off from OPR to STBY and error message was ARC FAULT

Put my spare ACOM 2000 on line and no issues so I know it was no

equipment or antenna issue.

Is this likely to be the Output Vacuum Relay or the Input relay

or both ?

73, Dennis N6KI

[Non-text portions of this message have been removed]

5520. Re: ACOM 2000 Arc Fault and intermittant Receive

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-27 21:03:23 UTC
From: Dennis Vernacchia
Topic: 5518 Message: 5520

Bob

Thanks for sharing your experience but
as I mentioned - All I did was remove my
ACOM 2000 from the setup and put my spare 2000 in it's place and no issues - so the fault must be only the 2000 I took out of service - ALL other equipment and antenna switches, tuner, coax etc., remained in line !

Hopefully some other responses/experiences will come in today because I can't call ACOM distributer til Tuesday due to National Holiday here in USA

The 2000 that failed is 4 or 5 years old with only a year of serious contest time on it. My 13 year old 2000 still runs flawlessly
after 10 serious years of contesting on it !

73 Dennis N6KI

[Non-text portions of this message have been removed]

5521. Re: ACOM 2000 Arc Fault and intermittant Receive

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 01:26:23 UTC
From: tedk7om
Topic: 5518 Message: 5521

You might try putting the "faulty" Acom back in line to see if the same
problem is still there. You want to rule out a lose cable connection.
Ted K7OM
--- In acom-list@yahoogroups.com, Dennis Vernacchia wrote:
>
> In WPX Contest this weekend, ACOM 2000 started
>
>
> tripping off from OPR to STBY and error message was ARC FAULT
>
> Put my spare ACOM 2000 on line and no issues so I know it was no
>
> equipment or antenna issue.
>
> Is this likely to be the Output Vacuum Relay or the Input relay
>
> or both ?
>
> 73, Dennis N6KI
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

5522. Re: Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 01:36:02 UTC
From: tedk7om
Topic: 5517 Message: 5522

The start-up sequence for my Acom 2000a is just like you describe below and the cooling fan DOES start about 2 seconds after pushing the red ON/OFF button on the RCU.

Ted K7OM

--- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@...> wrote:
>
> Hi,
> Can anyone let me know the startup sequence of ACOM 2000A?
> Cooling fan of my ACOM 2000A does not start during startup sequence. So I wonder when cooling fan should start to run in the sequence.
> I remember the sequence was as follows.
> Power on at RCU -> all LEDs at RCU go to on with beep -> after about 2 second, warm-up countdown starts and all LEDs(except for POWER and STB) go to off at the same time -> after about 2 second, cooling fan starts to run. Is it right?
>
> 73,
> Kang/HL5NLQ
>

5523. Re: Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 12:42:46 UTC
From: kangyoungtae
Topic: 5517 Message: 5523

Ted,

Thanks for your reply.
If your cooling fan starts about 2 seconds after pushing on/off button on the RCU. Do you mean by that cooling fan starts just at same time when LEDs go to off sate? LEDs on my RCU go to off about 2 seconds after pushing the on/off button on the RCU and then warm-up countdown start from 149sec. And then all progress stops with microprocessor conflict message when countdown reaches at 138sec.

Kang/HL5NLQ

--- In acom-list@yahoogroups.com, "tedk7om" <tedk7om@...> wrote:
>
>
> The start-up sequence for my Acom 2000a is just like you describe below and the cooling fan DOES start about 2 seconds after pushing the red ON/OFF button on the RCU.
>
> Ted K7OM
>
> --- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@> wrote:
> >
> > Hi,
> > Can anyone let me know the startup sequence of ACOM 2000A?
> > Cooling fan of my ACOM 2000A does not start during startup sequence. So I wonder when cooling fan should start to run in the sequence.
> > I remember the sequence was as follows.
> > Power on at RCU -> all LEDs at RCU go to on with beep -> after about 2 second, warm-up countdown starts and all LEDs(except for POWER and STB) go to off at the same time -> after about 2 second, cooling fan starts to run. Is it right?
> >
> > 73,
> > Kang/HL5NLQ
> >
>

5524. RE: [acom-list] Re: Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 13:06:57 UTC
From: Bob Naumann
Topic: 5517 Message: 5524

If you have a microprocessor error message you need to resolve that first.

What does it say?

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kangyoungtae
Sent: Tuesday, May 28, 2013 7:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Startup sequence of ACOM 2000A

Ted,

Thanks for your reply.
If your cooling fan starts about 2 seconds after pushing on/off button on the RCU. Do you mean by that cooling fan starts just at same time when LEDs go to off sate? LEDs on my RCU go to off about 2 seconds after pushing the on/off button on the RCU and then warm-up countdown start from 149sec. And then all progress stops with microprocessor conflict message when countdown reaches at 138sec.

Kang/HL5NLQ

--- In acom-list@yahoogroups.com, "tedk7om" <tedk7om@...> wrote:
>
>
> The start-up sequence for my Acom 2000a is just like you describe below and the cooling fan DOES start about 2 seconds after pushing the red ON/OFF button on the RCU.
>
> Ted K7OM
>
> --- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@> wrote:
> >
> > Hi,
> > Can anyone let me know the startup sequence of ACOM 2000A?
> > Cooling fan of my ACOM 2000A does not start during startup sequence. So I wonder when cooling fan should start to run in the sequence.
> > I remember the sequence was as follows.
> > Power on at RCU -> all LEDs at RCU go to on with beep -> after about 2 second, warm-up countdown starts and all LEDs(except for POWER and STB) go to off at the same time -> after about 2 second, cooling fan starts to run.
Is it right?
> >
> > 73,
> > Kang/HL5NLQ

> >
>

Yahoo! Groups Links

5525. Re: Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 14:17:02 UTC
From: kangyoungtae
Topic: 5517 Message: 5525

Error message is just ¡°MICROPORCESSOR CONFLICT¡± with PORT LED on.
I heard that cooling fan starts when packet impulses from RCU arrive to CPU unit. And I confirmed my RCU generate packet impulses about 2 seconds after LEDs go off. So I suspect the packet impulses are delayed too much. If cooling fan starts normally about 2 seconds after LEDs go to off, I can guess at least packet impulses timing from my RCU has no problem.

Kang

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> If you have a microprocessor error message you need to resolve that first.
>
> What does it say?
>
>
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of kangyoungtae
> Sent: Tuesday, May 28, 2013 7:43 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Startup sequence of ACOM 2000A
>
> Ted,
>
> Thanks for your reply.
> If your cooling fan starts about 2 seconds after pushing on/off button on
> the RCU. Do you mean by that cooling fan starts just at same time when LEDs
> go to off sate? LEDs on my RCU go to off about 2 seconds after pushing the
> on/off button on the RCU and then warm-up countdown start from 149sec. And
> then all progress stops with microprocessor conflict message when countdown
> reaches at 138sec.
>
> Kang/HL5NLQ
>
>
>
> --- In acom-list@yahoogroups.com, "tedk7om" <tedk7om@> wrote:
> >
> >
> > The start-up sequence for my Acom 2000a is just like you describe below
> and the cooling fan DOES start about 2 seconds after pushing the red ON/OFF
> button on the RCU.
> >

> > Ted K7OM
> >
> > --- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@> wrote:
> > >
> > > Hi,
> > > Can anyone let me know the startup sequence of ACOM 2000A?
> > > Cooling fan of my ACOM 2000A does not start during startup sequence. So
> I wonder when cooling fan should start to run in the sequence.
> > > I remember the sequence was as follows.
> > > Power on at RCU -> all LEDs at RCU go to on with beep -> after about 2
> second, warm-up countdown starts and all LEDs(except for POWER and STB) go
> to off at the same time -> after about 2 second, cooling fan starts to run.
> Is it right?
> > >
> > > 73,
> > > Kang/HL5NLQ
> > >
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> Yahoo! Groups Links
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5526. Re: [acom-list] Re: Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 15:03:26 UTC
From: W5OV@...
Topic: 5517 Message: 5526

You may have a problem inside the RCU unit.

Take the RCU apart (carefully) and re-install all connectors and any IC chips in sockets.

Sometimes, there is some corrosion causing problems in the RCU.

> Error message is just ??MICROPORCESSOR CONFLICT?? with PORT LED on.
> I heard that cooling fan starts when packet impulses from RCU arrive to
> CPU unit. And I confirmed my RCU generate packet impulses about 2 seconds
> after LEDs go off. So I suspect the packet impulses are delayed too much.
> If cooling fan starts normally about 2 seconds after LEDs go to off, I can
> guess at least packet impulses timing from my RCU has no problem.
>
> Kang
>
>
>
>
>
> --- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>>
>> If you have a microprocessor error message you need to resolve that
>> first.
>>
>> What does it say?
>>
>>
>>
>> -----Original Message-----
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
>> Behalf
>> Of kangyoungtae
>> Sent: Tuesday, May 28, 2013 7:43 AM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Re: Startup sequence of ACOM 2000A
>>
>> Ted,
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>> Thanks for your reply.
>> If your cooling fan starts about 2 seconds after pushing on/off button
>> on
>> the RCU. Do you mean by that cooling fan starts just at same time when
>> LEDs
>> go to off sate? LEDs on my RCU go to off about 2 seconds after pushing
>> the

>> on/off button on the RCU and then warm-up countdown start from 149sec.
>> And
>> then all progress stops with microprocessor conflict message when
>> countdown
>> reaches at 138sec.
>>
>> Kang/HL5NLQ
>>
>>
>>
>> --- In acom-list@yahoogroups.com, "tedk7om" <tedk7om@> wrote:
>> >
>> >
>> > The start-up sequence for my Acom 2000a is just like you describe
>> below
>> and the cooling fan DOES start about 2 seconds after pushing the red
>> ON/OFF
>> button on the RCU.
>> >
>> > Ted K7OM
>> >
>> > --- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@>
>> wrote:
>> > >
>> > > Hi,
>> > > Can anyone let me know the startup sequence of ACOM 2000A?
>> > > Cooling fan of my ACOM 2000A does not start during startup sequence.
>> So
>> I wonder when cooling fan should start to run in the sequence.
>> > > I remember the sequence was as follows.
>> > > Power on at RCU -> all LEDs at RCU go to on with beep -> after about
>> 2
>> second, warm-up countdown starts and all LEDs(except for POWER and STB)
>> go
>> to off at the same time -> after about 2 second, cooling fan starts to
>> run.
>> Is it right?
>> > >
>> > > 73,
>> > > Kang/HL5NLQ
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>> Yahoo! Groups Links
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> Yahoo! Groups Links
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5527. Re: Startup sequence of ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-05-28 16:32:31 UTC
From: tedk7om
Topic: 5517 Message: 5527

Kang,

Yes, the LEDs go out, the fan starts, and the countdown begins at 149 seconds. All this happens from about 2 to 3 seconds after pushing the Start/Stop button on the RCU. The countdown continues as the hourglass on the RCU display slowly fills the bottom half until 0 seconds is reached at which time the Amp comes on. It will be in Standby mode at this time.

Ted K7OM

--- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@...> wrote:
>
> Ted,
>
> Thanks for your reply.
> If your cooling fan starts about 2 seconds after pushing on/off button on the RCU. Do you mean by that cooling fan starts just at same time when LEDs go to off sate? LEDs on my RCU go to off about 2 seconds after pushing the on/off button on the RCU and then warm-up countdown start from 149sec. And then all progress stops with microprocessor conflict message when countdown reaches at 138sec.
>
> Kang/HL5NLQ
>
>
>
> --- In acom-list@yahoogroups.com, "tedk7om" <tedk7om@> wrote:
> >
> >
> > The start-up sequence for my Acom 2000a is just like you describe below and the cooling fan DOES start about 2 seconds after pushing the red ON/OFF button on the RCU.
> >
> > Ted K7OM
> >
> > --- In acom-list@yahoogroups.com, "kangyoungtae" <kangyoungtae@> wrote:
> > >
> > > Hi,
> > > Can anyone let me know the startup sequence of ACOM 2000A?
> > > Cooling fan of my ACOM 2000A does not start during startup sequence. So I wonder when cooling fan should start to run in the sequence.
> > > I remember the sequence was as follows.
> > > Power on at RCU -> all LEDs at RCU go to on with beep -> after about 2 second, warm-up countdown starts and all LEDs(except for POWER and STB) go to off at the same time -> after about 2 second, cooling fan starts to run. Is it right?
> > >
> > > 73,
> > > Kang/HL5NLQ

> > >
> >
>

5528. Acom -1000 protection question

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 10:46:10 UTC
From: paim
Topic: 5528 Message: 5528

hello
i like to ask if any one know i use the ACOM 1000 with one of my radio the antenna is steppir 3 ele .
i was with the antenna on 17m and move to 20m with the radio i forgot to press the 20m on the control of the steppir then start to call cq
sort i notice swr was light on the power master , and see about 250w out the aCOM SHOW 0 W NO LIGHT as well now where is the protection working in the aCOM OR THE RADIO and what sort of protection it is for the radio or the AMP ?
thank you

vy 73
E.P g0uut

[Non-text portions of this message have been removed]

5529. Re: [acom-list] Acom -1000 protection question

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 15:19:29 UTC
From: Dean St. Hill
Topic: 5528 Message: 5529

I've been an A1000 user for a little while. Not sure I understand the question but the A1000 does not have a different bandswitch for 17m, you use the 20m bandswitch position. Depending on issues like the length and quality of your coax, there is not that huge a difference between 17 and 20 so I think the Acom would be mistuned - maybe the attenuator may have kicked in which would be why you only see 250w out. The reflected power might not have been high enough to take the A1000 offline. (250w or so I think)

As for your rig - it would still be seeing a 50ohm load at its output so it would still be merrily putting out full output.The Acom using a broadband input rather than "tuned inputs" where the rig might have seen a high SWR and start to fold back power.

Can't be more specific without more info but hope this helps to unravel the mystery.

Regards,

Dean - 8P6SH

On Sat, Jun 8, 2013 at 6:46 AM, paim <paimg0uut@...> wrote:

> **
>
>
> hello
> i like to ask if any one know i use the ACOM 1000 with one of my radio the
> antenna is steppir 3 ele .
> i was with the antenna on 17m and move to 20m with the radio i forgot to
> press the 20m on the control of the steppir then start to call cq
> sort i notice swr was light on the power master , and see about 250w out
> the aCOM SHOW 0 W NO LIGHT as well now where is the protection working in
> the aCOM OR THE RADIO and what sort of protection it is for the radio or
> the AMP ?
> thank you
>
> vy 73
> E.P g0uut
>
> [Non-text portions of this message have been removed]
>
>
>

--
Dean St.Hill

*
*
*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*
dmsthill@...

[Non-text portions of this message have been removed]

5530. acom 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 17:01:52 UTC
From: kg4lru@...
Topic: 5530 Message: 5530

I owned My 2000 A since 1999 , I recently was checking line voltage in the shack 2 weeks ago 240 was running 246 and 120 was running 126 .

Thought this was getting a little over board so I called the electric company. All grounds at the house were good and on the day they checked voltage 122.9 and 242 .

I noticed my tube gear have been running much hotter than normal and tuffer to get a stable (VFO) now I know why.

I installed a bucking transformer on 240 I was able to drop the voltage from 242 / 218 . My tube gear loves it . But Acom 2000A does not Now I get the flashing heater light . I set the main voltage on the control unit to Low setting But it did not give me any relief from the flashing heater light Is there Hard wire setting in the amp that need to be changed?

The way my shack is set up I am able to lower all 7 my 220 outlets down . I purchased the transformer for 140.00 . and it handles 45 amp draw.. I noticed my line voltage has been spot on ever since I called the electric company . They tell me 5 volts plus minus max . So they must had problem in my area , all our power is under ground until get out of the sub division .

I suspect higher line voltage has shorted some tube life here at the house . By the way you can also raise the voltage if your needing Higher voltage.

73

Phil AI4DQ

[Non-text portions of this message have been removed]

5531. Re: [acom-list] acom 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 17:44:44 UTC
From: W5OV@...
Topic: 5530 Message: 5531

Put your amp back on your 240v line.

It can operate on up to 264v.

218v is too low.

>
>
>
>
> I owned My 2000 A since 1999 , I recently was checking line voltage in
> the shack 2 weeks ago 240 was running 246 and 120 was running 126 .
>
> Thought this was getting a little over board so I called the electric
> company. All grounds at the house were good and on the day they checked
> voltage
> 122.9 and 242 .
>
> I noticed my tube gear have been running much hotter than normal and
> tuffer to get a stable (VFO) now I know why.
>
> I installed a bucking transformer on 240 I was able to drop the voltage
> from 242 / 218 . My tube gear loves it . But Acom 2000A does not Now I
> get the flashing heater light . I set the main voltage on the control
> unit
> to Low setting But it did not give me any relief from the flashing
> heater
> light Is there Hard wire setting in the amp that need to be changed?
>
>
> The way my shack is set up I am able to lower all 7 my 220 outlets down
> . I purchased the transformer for 140.00 . and it handles 45 amp draw..
> I
> noticed my line voltage has been spot on ever since I called the
> electric
> company . They tell me 5 volts plus minus max . So they must had
> problem
> in my area , all our power is under ground until get out of the sub
> division .
>
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> I suspect higher line voltage has shorted some tube life here at the
> house . By the way you can also raise the voltage if your needing
> Higher
> voltage.
>

>
> 73
>
>
> Phil AI4DQ
>
> [Non-text portions of this message have been removed]
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> Yahoo! Groups Links
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5532. Re: [acom-list] acom 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 18:06:36 UTC
From: Callum the Web Man
Topic: 5530 Message: 5532

>>> It can operate on up to 264v.

Although the heater light flashes at 252v (on mine it does).

M0MCX.

Callum McCormick
Founder
-barclayjames.co.uk

I'm on iPhone, message might be short.

On 8 Jun 2013, at 18:44, W5OV@w5ov.com wrote:

Put your amp back on your 240v line.

It can operate on up to 264v.

218v is too low.

>
>
>
>
> I owned My 2000 A since 1999 , I recently was checking line voltage in
> the shack 2 weeks ago 240 was running 246 and 120 was running 126 .
>
> Thought this was getting a little over board so I called the electric
> company. All grounds at the house were good and on the day they checked
> voltage
> 122.9 and 242 .
>
> I noticed my tube gear have been running much hotter than normal and
> tuffer to get a stable (VFO) now I know why.
>
> I installed a bucking transformer on 240 I was able to drop the voltage
> from 242 / 218 . My tube gear loves it . But Acom 2000A does not Now I
> get the flashing heater light . I set the main voltage on the control
> unit
> to Low setting But it did not give me any relief from the flashing
> heater
> light Is there Hard wire setting in the amp that need to be changed?
>
>
> The way my shack is set up I am able to lower all 7 my 220 outlets down
> . I purchased the transformer for 140.00 . and it handles 45 amp draw..
> I

> noticed my line voltage has been spot on ever since I called the
> electric
> company . They tell me 5 volts plus minus max . So they must had
> problem
> in my area , all our power is under ground until get out of the sub
> division .
>
>
> I suspect higher line voltage has shorted some tube life here at the
> house . By the way you can also raise the voltage if your needing
> Higher
> voltage.
>
>
> 73
>
>
> Phil AI4DQ
>
> [Non-text portions of this message have been removed]
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5533. Re: [acom-list] acom 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 18:30:01 UTC
From: W5OV@...
Topic: 5530 Message: 5533

Correct- flashing indicates you're "close" to a limit.

>>>> It can operate on up to 264v.
>
> Although the heater light flashes at 252v (on mine it does).
>
> M0MCX.
>
> Callum McCormick
> Founder
> -barclayjames.co.uk
>
> I'm on iPhone, message might be short.
>
> On 8 Jun 2013, at 18:44, W5OV@... wrote:
>
> Put your amp back on your 240v line.
>
> It can operate on up to 264v.
>
> 218v is too low.
>
>>
>>
>>
>>
>> I owned My 2000 A since 1999 , I recently was checking line voltage in
>> the shack 2 weeks ago 240 was running 246 and 120 was running 126 .
>>
>> Thought this was getting a little over board so I called the electric
>> company. All grounds at the house were good and on the day they checked
>> voltage
>> 122.9 and 242 .
>>
>> I noticed my tube gear have been running much hotter than normal and
>> tuffer to get a stable (VFO) now I know why.
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>> I installed a bucking transformer on 240 I was able to drop the voltage
>> from 242 / 218 . My tube gear loves it . But Acom 2000A does not Now I
>> get the flashing heater light . I set the main voltage on the control
>> unit
>> to Low setting But it did not give me any relief from the flashing
>> heater
>> light Is there Hard wire setting in the amp that need to be changed?
>>

>>
>> The way my shack is set up I am able to lower all 7 my 220 outlets down
>> . I purchased the transformer for 140.00 . and it handles 45 amp draw..
>> I
>> noticed my line voltage has been spot on ever since I called the
>> electric
>> company . They tell me 5 volts plus minus max . So they must had
>> problem
>> in my area , all our power is under ground until get out of the sub
>> division .
>>
>>
>> I suspect higher line voltage has shorted some tube life here at the
>> house . By the way you can also raise the voltage if your needing
>> Higher
>> voltage.
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>>
>> 73
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>>
>> Phil AI4DQ
>>
>> [Non-text portions of this message have been removed]
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5534. Re: [acom-list] acom 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-08 23:24:30 UTC
From: Glenn O'Donnell, K3PP
Topic: 5530 Message: 5534

Don't forget that on those older 2000A units, the connectors in the filament line often go bad. A blinking "heater" LED can be an indicator that the heater is about to stop heating, regardless of your line voltage. Mine did that (also vintage 1999). I had to eliminate all three connectors in the line. FYI: I just soldered the wires in place. I've had no trouble since!

GL

VY 73 de Glenn K3PP

Sent from my iPhone

On Jun 8, 2013, at 2:30 PM, W5OV@... wrote:

> Correct- flashing indicates you're "close" to a limit.
>
> >>>> It can operate on up to 264v.
> >
> > Although the heater light flashes at 252v (on mine it does).
> >
> > M0MCX.
> >
> > Callum McCormick
> > Founder
> > -barclayjames.co.uk
> >
> > I'm on iPhone, message might be short.
> >
> > On 8 Jun 2013, at 18:44, W5OV@... wrote:
> >
> > Put your amp back on your 240v line.
> >
> > It can operate on up to 264v.
> >
> > 218v is too low.
> >
> >>
> >>
> >>
> >>
> >> I owned My 2000 A since 1999 , I recently was checking line voltage in
> >> the shack 2 weeks ago 240 was running 246 and 120 was running 126 .
> >>
> >> Thought this was getting a little over board so I called the electric
> >> company. All grounds at the house were good and on the day they checked
> >> voltage

> >> 122.9 and 242 .
> >>
> >> I noticed my tube gear have been running much hotter than normal and
> >> tuffer to get a stable (VFO) now I know why.
> >>
> >> I installed a bucking transformer on 240 I was able to drop the voltage
> >> from 242 / 218 . My tube gear loves it . But Acom 2000A does not Now I
> >> get the flashing heater light . I set the main voltage on the control
> >> unit
> >> to Low setting But it did not give me any relief from the flashing
> >> heater
> >> light Is there Hard wire setting in the amp that need to be changed?
> >>
> >>
> >> The way my shack is set up I am able to lower all 7 my 220 outlets down
> >> . I purchased the transformer for 140.00 . and it handles 45 amp draw..
> >> I
> >> noticed my line voltage has been spot on ever since I called the
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> >> company . They tell me 5 volts plus minus max . So they must had
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> >> in my area , all our power is under ground until get out of the sub
> >> division .
> >>
> >>
> >> I suspect higher line voltage has shorted some tube life here at the
> >> house . By the way you can also raise the voltage if your needing
> >> Higher
> >> voltage.
> >>
> >>
> >> 73
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> >>
> >> Phil AI4DQ
> >>
> >> [Non-text portions of this message have been removed]
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> > [Non-text portions of this message have been removed]
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> > Yahoo! Groups Links
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[Non-text portions of this message have been removed]

5535. Re: [acom-list] acom 2000 A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-09 03:37:09 UTC
From: kg4lru@...
Topic: 5530 Message: 5535

The USA standard here is 220 240 was later . the ACOM manual has several approved voltages 100.120, 200, 220, 240, 50/60 htz . I have over Ten thousand operating hours . Looks like I will need to talk with factory service people .

In a message dated 6/8/2013 1:01:55 P.M. Eastern Daylight Time, kg4lru@... writes:

I owned My 2000 A since 1999 , I recently was checking line voltage in the shack 2 weeks ago 240 was running 246 and 120 was running 126 .

Thought this was getting a little over board so I called the electric company. All grounds at the house were good and on the day they checked voltage
122.9 and 242 .

I noticed my tube gear have been running much hotter than normal and tuffer to get a stable (VFO) now I know why.

I installed a bucking transformer on 240 I was able to drop the voltage from 242 / 218 . My tube gear loves it . But Acom 2000A does not Now I get the flashing heater light . I set the main voltage on the control unit to Low setting But it did not give me any relief from the flashing heater light Is there Hard wire setting in the amp that need to be changed?

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I suspect higher line voltage has shorted some tube life here at the house . By the way you can also raise the voltage if your needing Higher voltage.

73

Phil AI4DQ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5536. Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-14 18:28:37 UTC
From: Paul P
Topic: 5502 Message: 5536

Hello Fred

If you find out let me know,I just sorted one problem out involving the screen voltage on my Acom.I then went away on holiday for 2 weeks came back, turned it on, and theres no display.

Other than that it works fine, and still produces power.

I used to love my Acom 1000 but now Im starting to hate the damn thing !

Paul G4RRA

--- In acom-list@yahoogroups.com, "dodgy_dxer" <fredch@...> wrote:
>
> Hi All
>
> While I am new (but used) Acom 2000A user my friend has picked up an Acom 1000 with a dead display.
>
> Has anyone had this fault before? We think it is the display and not the backlight
>
> Any help appreciated
>
> Many thanks
>
> 73 Fred
> G4BWP - A65BD
>

5537. Re: [acom-list] Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-14 18:35:44 UTC
From: W5OV@...
Topic: 5502 Message: 5537

It's most likely that the backlight adjustment has become dimmed by mistake.

Check the manual for instructions on how to adjust the display backlight.

I've only seen one bad display in over 10 years of working with the 1000.

> Hello Fred
>
> If you find out let me know,I just sorted one problem out involving the
> screen voltage on my Acom.I then went away on holiday for 2 weeks came
> back, turned it on, and theres no display.
>
> Other than that it works fine, and still produces power.
>
> I used to love my Acom 1000 but now Im starting to hate the damn thing !
>
> Paul G4RRA
>
> --- In acom-list@yahoogroups.com, "dodgy_dxer" <fredch@...> wrote:
>>
>> Hi All
>>
>> While I am new (but used) Acom 2000A user my friend has picked up an
>> Acom 1000 with a dead display.
>>
>> Has anyone had this fault before? We think it is the display and not
>> the backlight
>>
>> Any help appreciated
>>
>> Many thanks
>>
>> 73 Fred
>> G4BWP - A65BD
>>
>
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5538. RE: [acom-list] Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-15 07:19:13 UTC
From: Paul pasquet
Topic: 5502 Message: 5538

Thanks for the info but Ive tried that.

Strangely Acom 1000 does not appear in the display when the amp is off,and Im sure it used to.

When I get some time I will investigate and report back !

Paul G4RRA

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 14 Jun 2013 13:35:44 -0500
Subject: Re: [acom-list] Re: Acom 1000 display

It's most likely that the backlight adjustment has become dimmed by mistake.

Check the manual for instructions on how to adjust the display backlight.

I've only seen one bad display in over 10 years of working with the 1000.

> Hello Fred

>

> If you find out let me know,I just sorted one problem out involving the

> screen voltage on my Acom.I then went away on holiday for 2 weeks came

> back, turned it on, and theres no display.

>

> Other than that it works fine, and still produces power.

>

> I used to love my Acom 1000 but now Im starting to hate the damn thing !

>

> Paul G4RRA

>

> --- In acom-list@yahoogroups.com, "dodgy_dxer" <fredch@...> wrote:

>>

>> Hi All

>>

>> While I am new (but used) Acom 2000A user my friend has picked up an

>> Acom 1000 with a dead display.

>>

>> Has anyone had this fault before? We think it is the display and not

>> the backlight

>>

>> Any help appreciated

>>

>> Many thanks

>>

>> 73 Fred

>> G4BWP - A65BD

>>

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> Yahoo! Groups Links

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5539. Bias Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-16 15:25:41 UTC
From: Hank Garretson
Topic: 5539 Message: 5539

Ouch.

Turning on ACOM 2000A this morning:

BIAS TOO LOW AT POWER ON: -000V

Manual recommendations are OFF5* and CCC*.

I tried (several times) after five minutes. No joy.

I disconnected cable from transceiver to ACOM Key-in. No joy.

Unit operated normally yesterday during All-Asian and Ukrainian RTTY.

Late evening, I attempted to get on for Stew Perry 160. Using ACOM above 150 watts resulted in ARC fault. Gave up on 160. Returned to Ukrainian RTTY and made a few more contacts before shutting down. ACOM operation on other bands was normal after the ARC fault on 160. ACOM shutdown to go to bed was normal.

Ideas? Suggestions?

73,

Hank, W6SX

Mammoth Lakes, California

Elevation 8083 feet in John Muir's Range of Light

[Non-text portions of this message have been removed]

5540. Re: Bias Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-16 17:08:07 UTC
From: Lyn Willoughby
Topic: 5539 Message: 5540

In April the identical problem happened to my 2000A. Array Solutions replaced all four zener diodes in the bias supply that makes the -124 VDC and replaced both tubes. There was probably a gird short (when the tubes failed) that took out the zeners. Brace yourself, repairs $250.00, pair of tubes $600.00, plus shipping both ways.

--- In acom-list@yahoogroups.com, Hank Garretson <w6sx@...> wrote:
>
> Ouch.
>
> Turning on ACOM 2000A this morning:
>
> BIAS TOO LOW AT POWER ON: -000V
>
> Manual recommendations are OFF5* and CCC*.
>
> I tried (several times) after five minutes. No joy.
>
> I disconnected cable from transceiver to ACOM Key-in. No joy.
>
> Unit operated normally yesterday during All-Asian and Ukrainian RTTY.
>
> Late evening, I attempted to get on for Stew Perry 160. Using ACOM above
> 150 watts resulted in ARC fault. Gave up on 160. Returned to Ukrainian RTTY
> and made a few more contacts before shutting down. ACOM operation on other
> bands was normal after the ARC fault on 160. ACOM shutdown to go to bed was
> normal.
>
> Ideas? Suggestions?
>
> 73,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
>
> [Non-text portions of this message have been removed]
>

5541. Re: [acom-list] Bias Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-16 18:24:34 UTC
From: Glenn O'Donnell, K3PP
Topic: 5539 Message: 5541

Check the power supply board(s). I recall an electrolytic being smoked on mine (C2, I think, but I can't check right now). If yours is smoked (it's visibly obvious), let me know. I bought some extras and I'll gladly give you one.

VY 73 de Glenn K3PP

Sent from my iPhone

On Jun 16, 2013, at 11:25 AM, Hank Garretson <w6sx@...> wrote:

> Ouch.
>
> Turning on ACOM 2000A this morning:
>
> BIAS TOO LOW AT POWER ON: -000V
>
> Manual recommendations are OFF5* and CCC*.
>
> I tried (several times) after five minutes. No joy.
>
> I disconnected cable from transceiver to ACOM Key-in. No joy.
>
> Unit operated normally yesterday during All-Asian and Ukrainian RTTY.
>
> Late evening, I attempted to get on for Stew Perry 160. Using ACOM above
> 150 watts resulted in ARC fault. Gave up on 160. Returned to Ukrainian RTTY
> and made a few more contacts before shutting down. ACOM operation on other
> bands was normal after the ARC fault on 160. ACOM shutdown to go to bed was
> normal.
>
> Ideas? Suggestions?
>
> 73,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
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5542. Re: [acom-list] Bias Too Low

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-16 18:30:18 UTC
From: Steve Tripp (K1IIG)
Topic: 5539 Message: 5542

Years ago I brought my 2000a to Acom in MA with low bias and the first thing they checked was C2 so Glenn might be correct. In my case it was one bad tube.
Gl Steve

Check the power supply board(s). I recall an electrolytic being smoked on mine (C2, I think, but I can't check right now). If yours is smoked (it's visibly obvious), let me know. I bought some extras and I'll gladly give you one.

VY 73 de Glenn K3PP

Sent from my iPhone

On Jun 16, 2013, at 11:25 AM, Hank Garretson <w6sx@...> wrote:

> Ouch.
>
> Turning on ACOM 2000A this morning:
>
> BIAS TOO LOW AT POWER ON: -000V
>
> Manual recommendations are OFF5* and CCC*.
>
> I tried (several times) after five minutes. No joy.
>
> I disconnected cable from transceiver to ACOM Key-in. No joy.
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> Unit operated normally yesterday during All-Asian and Ukrainian RTTY.
>
> Late evening, I attempted to get on for Stew Perry 160. Using ACOM above
> 150 watts resulted in ARC fault. Gave up on 160. Returned to Ukrainian RTTY
> and made a few more contacts before shutting down. ACOM operation on other
> bands was normal after the ARC fault on 160. ACOM shutdown to go to bed was
> normal.
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> Ideas? Suggestions?
>
> 73,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5543. Bias Too Low--Take Two

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-18 20:26:49 UTC
From: Hank Garretson
Topic: 5543 Message: 5543

Thank you everyone for your suggestions, and thank you Glenn for the offer of capacitors. Jay at Array Solutions has been very helpful.

I have the 2000A apart with the low-voltage board sitting on my test bench. Diodes check OK. Capacitors look OK, but on Jay's suggestion, I have ordered replacements for all electrolytes on the board from Mouser.

Stay tuned, and thanks everyone for your help.

ACOM Exuberantly,

Hank, W6SX

Mammoth Lakes, California

Elevation 8083 feet in John Muir's Range of Light

[Non-text portions of this message have been removed]

5544. Re: [acom-list] Bias Too Low--Take Two

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-18 21:31:42 UTC
From: Glenn O'Donnell, K3PP
Topic: 5543 Message: 5544

Hi Hank!

"Elevation 8083 feet in John Muir's Range of Light"

Maybe your elevation is the culprit! Bias voltage is inversely proportional to elevation! :-)

GL OM ES VY 73 de Glenn K3PP
The capacitor offer remains on the table if you need it, but it appears you've covered that issue!

Sent from my iPhone

On Jun 18, 2013, at 4:26 PM, Hank Garretson <w6sx@...> wrote:

> Thank you everyone for your suggestions, and thank you Glenn for the offer
> of capacitors. Jay at Array Solutions has been very helpful.
>
> I have the 2000A apart with the low-voltage board sitting on my test bench.
> Diodes check OK. Capacitors look OK, but on Jay's suggestion, I have
> ordered replacements for all electrolytes on the board from Mouser.
>
> Stay tuned, and thanks everyone for your help.
>
> ACOM Exuberantly,
>
> Hank, W6SX
>
> Mammoth Lakes, California
>
> Elevation 8083 feet in John Muir's Range of Light
>
> [Non-text portions of this message have been removed]
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5545. Re: [acom-list] Bias Too Low--Take Two

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-18 23:01:53 UTC
From: Hal Kennedy
Topic: 5543 Message: 5545

Hank, I also ordered a few extra C2's, and would be happy to send you one If that's what you need. My low bias problems have always turned out to be a grid short in one of the tubes.
They are tricky, I had one that only did it hot. I had to pull it out hot (oven gloves) and on an ohmmeter you could see about 20K ohms from the control grid to ground. You could watch it cool off and the resistance would go back up to infinity. Easiest to test by substitution.

73,
Hal
N4GG

On 6/18/2013 5:31 PM, Glenn O'Donnell, K3PP wrote:
>
> Hi Hank!
>
> "Elevation 8083 feet in John Muir's Range of Light"
>
> Maybe your elevation is the culprit! Bias voltage is inversely
> proportional to elevation! :-)
>
> GL OM ES VY 73 de Glenn K3PP
> The capacitor offer remains on the table if you need it, but it
> appears you've covered that issue!
>
> Sent from my iPhone
>
> On Jun 18, 2013, at 4:26 PM, Hank Garretson <w6sx@...
> <mailto:w6sx%40arrl.net>> wrote:
>
> > Thank you everyone for your suggestions, and thank you Glenn for the
> offer
> > of capacitors. Jay at Array Solutions has been very helpful.
> >
> > I have the 2000A apart with the low-voltage board sitting on my test
> bench.
> > Diodes check OK. Capacitors look OK, but on Jay's suggestion, I have
> > ordered replacements for all electrolytes on the board from Mouser.
> >
> > Stay tuned, and thanks everyone for your help.
> >
> > ACOM Exuberantly,
> >
> > Hank, W6SX
> >

> > Mammoth Lakes, California
> >
> > Elevation 8083 feet in John Muir's Range of Light
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5546. Re: [acom-list] Bias Too Low--Take Two

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-19 01:28:16 UTC
From: Dick Flanagan
Topic: 5543 Message: 5546

Geeze Louise, guys! Last year I rewarded my 50th anniversary as a ham with a new 2000A, but I was quickly scared into buying a spare pair of tubes. Now it sounds like I should begin stocking up on caps. I guess I should have bought two: one to use and one for spares. :(Too bad I could barely afford the first one.

Dick

--
Dick Flanagan K7VC
dick@...

On 6/18/2013 4:01 PM, Hal Kennedy wrote:
> Hank, I also ordered a few extra C2's, and would be happy to send you
> one If that's what you need. My low bias problems have always turned
> out to be a grid short in one of the tubes.
> They are tricky, I had one that only did it hot. I had to pull it out
> hot (oven gloves) and on an ohmmeter you could see about 20K ohms from
> the control grid to ground. You could watch it cool off and the
> resistance would go back up to infinity. Easiest to test by substitution.
>
> 73,
> Hal
> N4GG
>
>
> On 6/18/2013 5:31 PM, Glenn O'Donnell, K3PP wrote:
>> Hi Hank!
>>
>> "Elevation 8083 feet in John Muir's Range of Light"
>>
>> Maybe your elevation is the culprit! Bias voltage is inversely
>> proportional to elevation! :-)
>>
>> GL OM ES VY 73 de Glenn K3PP
>> The capacitor offer remains on the table if you need it, but it
>> appears you've covered that issue!
>>
>> Sent from my iPhone
>>
>> On Jun 18, 2013, at 4:26 PM, Hank Garretson <w6sx@...
>> <mailto:w6sx%40arrl.net>> wrote:
>>
>>> Thank you everyone for your suggestions, and thank you Glenn for the
>> offer
>>> of capacitors. Jay at Array Solutions has been very helpful.

>>>
>>> I have the 2000A apart with the low-voltage board sitting on my test
>> bench.
>>> Diodes check OK. Capacitors look OK, but on Jay's suggestion, I have
>>> ordered replacements for all electrolytes on the board from Mouser.
>>>
>>> Stay tuned, and thanks everyone for your help.
>>>
>>> ACOM Exuberantly,
>>>
>>> Hank, W6SX
>>>
>>> Mammoth Lakes, California
>>>
>>> Elevation 8083 feet in John Muir's Range of Light
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5547. Re: [acom-list] Bias Too Low--Take Two

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-19 06:28:54 UTC
From: Glenn O'Donnell, K3PP
Topic: 5543 Message: 5547

Fear not, Dick! The newer units are flawless. The first wave (vintage 1999-2001) had problems. Mine was one of the first in the US. Cap C2 blew as did my Molex connectors for the filament line, but tubes are still original!

VY 73 de Glenn K3PP

Sent from my iPhone

On Jun 18, 2013, at 6:28 PM, Dick Flanagan <dick@...> wrote:

> Geeze Louise, guys! Last year I rewarded my 50th anniversary as a ham
> with a new 2000A, but I was quickly scared into buying a spare pair of
> tubes. Now it sounds like I should begin stocking up on caps. I guess
> I should have bought two: one to use and one for spares. :(Too bad I
> could barely afford the first one.
>
> Dick
>
> --
> Dick Flanagan K7VC
> dick@...
>
> On 6/18/2013 4:01 PM, Hal Kennedy wrote:
> > Hank, I also ordered a few extra C2's, and would be happy to send you
> > one If that's what you need. My low bias problems have always turned
> > out to be a grid short in one of the tubes.
> > They are tricky, I had one that only did it hot. I had to pull it out
> > hot (oven gloves) and on an ohmmeter you could see about 20K ohms from
> > the control grid to ground. You could watch it cool off and the
> > resistance would go back up to infinity. Easiest to test by substitution.
> >
> > 73,
> > Hal
> > N4GG
> >
> >
> > On 6/18/2013 5:31 PM, Glenn O'Donnell, K3PP wrote:
> >> Hi Hank!
> >>
> >> "Elevation 8083 feet in John Muir's Range of Light"
> >>
> >> Maybe your elevation is the culprit! Bias voltage is inversely
> >> proportional to elevation! :-)
> >>
> >> GL OM ES VY 73 de Glenn K3PP
> >> The capacitor offer remains on the table if you need it, but it

> >> appears you've covered that issue!
> >>
> >> Sent from my iPhone
> >>
> >> On Jun 18, 2013, at 4:26 PM, Hank Garretson <w6sx@...
> >> <mailto:w6sx%40arrl.net>> wrote:
> >>
> >>> Thank you everyone for your suggestions, and thank you Glenn for the
> >> offer
> >>> of capacitors. Jay at Array Solutions has been very helpful.
> >>>
> >>> I have the 2000A apart with the low-voltage board sitting on my test
> >> bench.
> >>> Diodes check OK. Capacitors look OK, but on Jay's suggestion, I have
> >>> ordered replacements for all electrolytes on the board from Mouser.
> >>>
> >>> Stay tuned, and thanks everyone for your help.
> >>>
> >>> ACOM Exuberantly,
> >>>
> >>> Hank, W6SX
> >>>
> >>> Mammoth Lakes, California
> >>>
> >>> Elevation 8083 feet in John Muir's Range of Light
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5548. Re: Bias Too Low--Take Two now capacitors

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-19 13:42:14 UTC
From: Jay Terleski
Topic: 5548 Message: 5548

Capacitors, in older units are starting to dry out, and they did have a batch of caps that were less than desirable.

But, I suggested to hank that since he will take the LV board out that he may as well replace all of them, for what little money they cost and these days you can get higher rated electrolytics that are as small or smaller then the ones sold 5-10 years ago. For instance the 25V caps can easily be 50V caps, etc.

Regards to the group
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

5549. Re: [acom-list] Re: Bias Too Low--Take Two now capacitors

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-20 14:28:05 UTC
From: Larry Benko
Topic: 5548 Message: 5549

Electrolytic capacitors are probably the least reliable component in electronics today. The capacitors have changed greatly in the past 50 years and with some minor batch exceptions the change has been for the good. Temperature ratings have risen, component densities have risen, ripple current ratings have risen and an enormous amount of data is available. The biggest thing you can do to improve reliability is to lower the temperature (every 10 deg C approx. halves the life) but since that isn't easy to do using components rated at 105 deg. C or even 125 deg. C and using parts rated at at least 2X or 3X the needed voltage will probably make the capacitors life longer than yours. The automobile industry has driven the availability of the 125 deg C parts and I would always stick with a good capacitor brand such as Nichicon, Kemet, AVX, Panasonic etc. and stay away from swapfests, NOS junk, and eBay unless you are very careful.

There are a couple of big unknowns with capacitors. The first is temperature ratings are internal to the part and that ripple current raises the capacitor temperature above the ambient temperature. This is much more important for filter capacitors in power supplies. The other is mounting stress especially for surface mount parts. Soldering the capacitor to an unheated PCB causes a continual stress which can cause failures.

All of this has been known for many years. When I was designing products is was routine to de-rate electrolytic capacitors 2X for voltage and tantalum capacitors 3X and this was in the 1970s and 80s.

Before you try to remove all the capacitors from a PCB ask yourself if you are capable of doing this without ruining the PCB. Surface mount parts are easy to remove but thru hole parts really need a good solder sucking machine like a Hakko 808 which might seem expensive at about $180-$200 but with a tool such as this parts can be removed all day with no PCB damage. Sometimes the PCB holes are a little too small for the component leads and you ruin the PCB trying to use the bulb or spring suckers or desoldering wick. Just my $.02. Practice on some junk PCBs before is a good idea.

73,
Larry, W0QE

On 6/19/2013 7:42 AM, Jay Terleski wrote:
>
> Capacitors, in older units are starting to dry out, and they did have a
> batch of caps that were less than desirable.
>
> But, I suggested to hank that since he will take the LV board out that he

> may as well replace all of them, for what little money they cost and these
> days you can get higher rated electrolytics that are as small or smaller
> then the ones sold 5-10 years ago. For instance the 25V caps can easily be
> 50V caps, etc.
>
> Regards to the group
> Jay, WX0B
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
> [Non-text portions of this message have been removed]
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[Non-text portions of this message have been removed]

5550. Re: [acom-list] Re: Bias Too Low--Take Two now capacitors

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-20 15:27:00 UTC
From: Steve Tripp (K1IIG)
Topic: 5548 Message: 5550

Hi Jay, That does look like quite a useful desolder station. I see it got great reviews except one person mentioned the stiff cord. I will most likely get one. I have never done surface
mount work, eyes are fair and I do have mag glasses but wonder if you have a suggestion on surface mount station or equipment.

Regarding the Acom bias issue, I had mentioned I too had it and drove my Acom to them when they were in MA. I watched them fix it which the first thing they did was remove that cap. If I am correct about it, it looked like quite a job getting to it. The problem ended up to be a def tube. They replace both tubes and never charged me for any of the work. It was a used Acom I bought from them a few years prior. Great people and great amp which I have had since 2001.

Gl with the repair.

Steve

Electrolytic capacitors are probably the least reliable component in electronics today. The capacitors have changed greatly in the past 50 years and with some minor batch exceptions the change has been for the good. Temperature ratings have risen, component densities have risen, ripple current ratings have risen and an enormous amount of data is available. The biggest thing you can do to improve reliability is to lower the temperature (every 10 deg C approx. halves the life) but since that isn't easy to do using components rated at 105 deg. C or even 125 deg. C and using parts rated at at least 2X or 3X the needed voltage will probably make the capacitors life longer than yours. The automobile industry has driven the availability of the 125 deg C parts and I would always stick with a good capacitor brand such as Nichicon, Kemet, AVX, Panasonic etc. and stay away from swapfests, NOS junk, and eBay unless you are very careful.

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All of this has been known for many years. When I was designing products is was routine to de-rate electrolytic capacitors 2X for voltage and tantalum capacitors 3X and this was in the 1970s and 80s.

Before you try to remove all the capacitors from a PCB ask yourself if you are capable of doing this without ruining the PCB. Surface mount parts are easy to remove but thru hole parts really need a good solder

sucking machine like a Hakko 808 which might seem expensive at about $180-$200 but with a tool such as this parts can be removed all day with no PCB damage. Sometimes the PCB holes are a little too small for the component leads and you ruin the PCB trying to use the bulb or spring suckers or desoldering wick. Just my $.02. Practice on some junk PCBs before is a good idea.

73,
Larry, W0QE

On 6/19/2013 7:42 AM, Jay Terleski wrote:
>
> Capacitors, in older units are starting to dry out, and they did have a
> batch of caps that were less than desirable.
>
> But, I suggested to hank that since he will take the LV board out that he
> may as well replace all of them, for what little money they cost and these
> days you can get higher rated electrolytics that are as small or smaller
> then the ones sold 5-10 years ago. For instance the 25V caps can easily be
> 50V caps, etc.
>
> Regards to the group
> Jay, WX0B
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
> [Non-text portions of this message have been removed]
>
>

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[Non-text portions of this message have been removed]

5551. Acom 1000 amp for Sale

Yahoo group: acom-list (2010 — 2016)
Date: 2013-06-20 20:26:03 UTC
From: Irwin Darack
Topic: 5551 Message: 5551

Acom 1000 Amplifier Serial Number 020175

I am selling my Acom 1000 amp. It has recently been repaired by Array Solutions and restored to original factor specs. Both the Screen Grid and Bias circuitry were repaired by Arry Solutions. In addition, I replaced the external (Output) vacuum relay with one recommended by Acom.

I am the original owner. The amp is in excellent condition and I am a non-smoker. I do not have the original box. I will ship the original manual separately from my home QTH to the buyer.

The amp will be shipped from Array Solutions, in Texas and will include their repair warrantee.

I am asking $2,600 + shipping from Texas.

The amp is also listed on QTH.com

If you are interested in purchasing please email me off the reflector at KD3TB@...

Irwin, KD3TB

[Non-text portions of this message have been removed]

5552. Tunning problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-01 10:49:53 UTC
From: Robert
Topic: 5552 Message: 5552

This past weekend there was an opening on 6 meters so I decided to use my new ACOM 1000 for the first time on 6. With the 6 dB attenuator switched in I did the initial tuning. Then I switched the attenuator off. As soon as I keyed the amplifier I got an "ARC Protect" error message. So I reduce the drive power and tried again and got the error message again. My 6 meter antenna has an SWR of between 1.4:1 and 1.8:1. Any ideas as to what is wrong?

Bob, W2OSR

5553. Re: [acom-list] Tunning problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-01 10:59:11 UTC
From: Brian Alsop
Topic: 5552 Message: 5553

The key words "for the first time"

Clearly you have a fault in your coax, connectors or antenna that can't handle the power without arcing.

Is there a power level that doesn't arc?

73 de Brian/K3KO

On 7/1/2013 10:49, Robert wrote:
> This past weekend there was an opening on 6 meters so I decided to use
> my new ACOM 1000 for the first time on 6. With the 6 dB attenuator
> switched in I did the initial tuning. Then I switched the attenuator
> off. As soon as I keyed the amplifier I got an "ARC Protect" error
> message. So I reduce the drive power and tried again and got the error
> message again. My 6 meter antenna has an SWR of between 1.4:1 and 1.8:1.
> Any ideas as to what is wrong?
>
> Bob, W2OSR
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2242 / Virus Database: 3204/5951 - Release Date: 06/30/13
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3204/5951 - Release Date: 06/30/13

5554. Re: [acom-list] Tunning problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-01 12:44:18 UTC
From: Robert Batchelor
Topic: 5552 Message: 5554

I have run this antenna system at 100 watts for two years without any problems. I will try running reduced power into my Heathkit Cantenna.

From: Brian Alsop <alsopb@...>
To: acom-list@yahoogroups.com
Sent: Monday, July 1, 2013 6:59 AM
Subject: Re: [acom-list] Tunning problem

The key words "for the first time"

Clearly you have a fault in your coax, connectors or antenna that can't handle the power without arcing.

Is there a power level that doesn't arc?

73 de Brian/K3KO

On 7/1/2013 10:49, Robert wrote:
> This past weekend there was an opening on 6 meters so I decided to use
> my new ACOM 1000 for the first time on 6. With the 6 dB attenuator
> switched in I did the initial tuning. Then I switched the attenuator
> off. As soon as I keyed the amplifier I got an "ARC Protect" error
> message. So I reduce the drive power and tried again and got the error
> message again. My 6 meter antenna has an SWR of between 1.4:1 and 1.8:1.
> Any ideas as to what is wrong?
>
> Bob, W2OSR
>
>
>
> No virus found in this message.
> Checked by AVG - http://www.avg.com/ <http://www.avg.com>
> Version: 2012.0.2242 / Virus Database: 3204/5951 - Release Date: 06/30/13
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3204/5951 - Release Date: 06/30/13

Yahoo! Groups Links

[Non-text portions of this message have been removed]

5555. Bias Too Low--Fixed

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-07 14:54:27 UTC
From: Hank Garretson
Topic: 5555 Message: 5555

My ACOM 2000A is fixed and back on the air.

The problem was a shorted tube.

I purchased the amplifier new in August 2009. The tubes had 83,624 contest QSOs on them. Two new tubes cost $628 from Array Solutions. That works out to 0.75 cents per QSO. A bargain in my book.

Great support and lots of help from Jay, Sharon, and Bob at Array Solutions. Thank you.

73,

Hank, W6SX

Mammoth Lakes, California

Elevation 8083 feet in John Muir's Range of Light

[Non-text portions of this message have been removed]

5556. External Fan in ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-09 22:03:22 UTC
From: iz7auhfrank
Topic: 5556 Message: 5556

I,
I am Frank IZ7AUH I want yo install a External Fan on my Axom 1000, I buy online a fan 92x92x25 24vcd and how I need info how-to install it.

Best 73 IZ7AUH Frank

5557. Re: [acom-list] External Fan in ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-10 01:07:49 UTC
From: Dean St. Hill
Topic: 5556 Message: 5557

Frank

This is relatively simple exercise. There is also a file somewhere (maybe in the files section) which gives step by step instructions.

This link gives some info:

http://www.m0oxo.com/radio-projects/acom-1000-mod.html

This fan is a 24V and can be obtained from many suppliers - I used a PABST but I believe there are several other models available.

Actually found the file on my computer - I thought I'd lost it. I have simply cupy and pasted:

ACOM1000 External Fan Installation
---

1. Remove the top cover. Unscrew the mounting bolts of the power transformer. Copy the position of the mains voltage selector before disconnectign transformer wires. Disconnect all connectors of the transformer and take it out of the amplifier.

2. Remove the air filter from the chassis inlet opening. If you have a metal finger guard supplied with the fan, please put it at the internal side of the amplifier. This would reduce eventual RF radiation through the opening. Install the external aux fan on the external side of the opening. Please note the air flow direction (usually marked by an arrow on the fan body): the fan must suck air from outside and it must pump it into the amplifier volume.

You'll need longer screws for this purpose. Meanwhile, this is the reason that we have not used self-clinching nuts for these screws: the user would be obligated to find metric screws.

3. You can use a connector with insertable contacts of the type CST-100 from AMP. Crimp or solder the contacts to the fan original wires and then thread them through the holes (about 5mm diameter) that are foreseen in the MAINS PCB and the aluminium chassis below the PCB. At last, insert and clinch the contacts into their plastic body.

4. Install the original air filter on the back side of the fan using another four screws. It must be accessible for periodical cleaning.

Hope that helps

Dean

On Tue, Jul 9, 2013 at 6:03 PM, iz7auhfrank <iz7auh@...> wrote:

> **
>
>
> I,
> I am Frank IZ7AUH I want yo install a External Fan on my Axom 1000, I buy
> online a fan 92x92x25 24vcd and how I need info how-to install it.
>
> Best 73 IZ7AUH Frank
>
>
>

--
Dean St.Hill
*
*
*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*
dmsthill@gmail.com

[Non-text portions of this message have been removed]

5558. Re: External Fan in ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-11 12:28:46 UTC
From: iz7auhfrank
Topic: 5556 Message: 5558

Hi Dean,
Tnx for your help, I need an information, a orientation of fan, flow in or flow out?

Best regards
Frank

--- In acom-list@...m, "Dean St. Hill" <dmsthill@...> wrote:
>
> Frank
>
> This is relatively simple exercise. There is also a file somewhere (maybe
> in the files section) which gives step by step instructions.
>
> This link gives some info:
>
> http://www.m0oxo.com/radio-projects/acom-1000-mod.html
>
> This fan is a 24V and can be obtained from many suppliers - I used a PABST
> but I believe there are several other models available.
>
> Actually found the file on my computer - I thought I'd lost it. I have
> simply cupy and pasted:
>
> ACOM1000 External Fan Installation
> ----------
>
> 1. Remove the top cover. Unscrew the mounting bolts of the power
> transformer. Copy the position of the mains voltage selector before
> disconnectign transformer wires. Disconnect all connectors of the
> transformer and take it out of the amplifier.
>
> 2. Remove the air filter from the chassis inlet opening. If you have a
> metal finger guard supplied with the fan, please put it at the internal
> side of the amplifier. This would reduce eventual RF radiation through the
> opening. Install the external aux fan on the external side of the opening.
> Please note the air flow direction (usually marked by an arrow on the fan
> body): the fan must suck air from outside and it must pump it into the
> amplifier volume.
>
> You'll need longer screws for this purpose. Meanwhile, this is the reason
> that we have not used self-clinching nuts for these screws: the user would
> be obligated to find metric screws.
>
> 3. You can use a connector with insertable contacts of the type CST-100
> from AMP. Crimp or solder the contacts to the fan original wires and then

> thread them through the holes (about 5mm diameter) that are foreseen in the
> MAINS PCB and the aluminium chassis below the PCB. At last, insert and
> clinch the contacts into their plastic body.
>
> 4. Install the original air filter on the back side of the fan using
> another four screws. It must be accessible for periodical cleaning.
>
>
> Hope that helps
>
> Dean
>
>
>
>
> On Tue, Jul 9, 2013 at 6:03 PM, iz7auhfrank <iz7auh@...> wrote:
>
> > **
> > >
> > >
> > > I,
> > > I am Frank IZ7AUH I want yo install a External Fan on my Axom 1000, I buy
> > > online a fan 92x92x25 24vcd and how I need info how-to install it.
> > >
> > > Best 73 IZ7AUH Frank
> > >
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> >
> > --
> > *Dean St.Hill*
> > *
> > *
> > *Counterpoint Consulting *
> > *17 Ocean City*
> > *St.Philip*
> > *Barbados*
> > *
> > *
> > *246-266-8230*
> > *246-416-5277*
> > *
> > *
> > *dmsthill@...*
> >
> >
> > [Non-text portions of this message have been removed]
> >

5559. RE: [acom-list] Re: External Fan in ACOM1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-11 12:34:06 UTC
From: Bob Naumann
Topic: 5556 Message: 5559

Flow IN - same thing on the 2000A.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of iz7auhfrank
Sent: Thursday, July 11, 2013 7:29 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: External Fan in ACOM1000

Hi Dean,
Tnx for your help, I need an information, a orientation of fan, flow in or flow out?

Best regards
Frank

--- In acom-list@yahoogroups.com, "Dean St. Hill" <dmsthill@...> wrote:
>
> Frank
>
> This is relatively simple exercise. There is also a file somewhere (maybe
> in the files section) which gives step by step instructions.
>
> This link gives some info:
>
> http://www.m0oxo.com/radio-projects/acom-1000-mod.html
>
> This fan is a 24V and can be obtained from many suppliers - I used a PABST
> but I believe there are several other models available.
>
> Actually found the file on my computer - I thought I'd lost it. I have
> simply cupy and pasted:
>
> ACOM1000 External Fan Installation
> ----------
>
> 1. Remove the top cover. Unscrew the mounting bolts of the power
> transformer. Copy the position of the mains voltage selector before
> disconnectign transformer wires. Disconnect all connectors of the
> transformer and take it out of the amplifier.
>
> 2. Remove the air filter from the chassis inlet opening. If you have a
> metal finger guard supplied with the fan, please put it at the internal
> side of the amplifier. This would reduce eventual RF radiation through the
> opening. Install the external aux fan on the external side of the opening.
> Please note the air flow direction (usually marked by an arrow on the fan

> body): the fan must suck air from outside and it must pump it into the
> amplifier volume.
>
> You'll need longer screws for this purpose. Meanwhile, this is the reason
> that we have not used self-clinching nuts for these screws: the user would
> be obligated to find metric screws.
>
> 3. You can use a connector with insertable contacts of the type CST-100
> from AMP. Crimp or solder the contacts to the fan original wires and then
> thread them through the holes (about 5mm diameter) that are foreseen in
the
> MAINS PCB and the aluminium chassis below the PCB. At last, insert and
> clinch the contacts into their plastic body.
>
> 4. Install the original air filter on the back side of the fan using
> another four screws. It must be accessible for periodical cleaning.
>
>
> Hope that helps
>
> Dean
>
>
>
>
> On Tue, Jul 9, 2013 at 6:03 PM, iz7auhfrank <iz7auh@...> wrote:
>
> > **
> > >
> > >
> > > I,
> > > I am Frank IZ7AUH I want yo install a External Fan on my Axom 1000, I
buy
> > > online a fan 92x92x25 24vcd and how I need info how-to install it.
> > >
> > > Best 73 IZ7AUH Frank
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> > --
> > *Dean St.Hill*
> > *
> > *
> > *Counterpoint Consulting *
> > *17 Ocean City*
> > *St.Philip*
> > *Barbados*

> *
> *
> *246-266-8230*
> *246-416-5277*
> *
> *
> *dmsthill@...*
>
>
> [Non-text portions of this message have been removed]
>

Yahoo! Groups Links

5560. Acom 1011 Amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-16 22:02:44 UTC
From: barrie_spink
Topic: 5560 Message: 5560

I have just replaced the valves in an Acom 1011 amplifier, I am seeking a Service Manual, operational manual and if all else fails an Electronic schematic. Can any body help me..
I would also be interested to know if any of the other moels are similar to the 1011 model
Thanking You

Barrie P Spink GM0KZX

5561. Re: [acom-list] Acom 1011 Amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-17 05:50:44 UTC
From: Dean St. Hill
Topic: 5560 Message: 5561

Barrie

I have never actually seen nor do I have the documents you're asking about. I do believe the 1011 is very similar to the 1010 BUT because one uses a single tetrode and the other 2 tetrodes there are probably enough variations in the circuitry in the areas you would need which would make the 1010 information of only limited use to you.

I am not sure where you purchased your Acom BUT you should be able to email the dealer and obtain an electronic copy of all the information you need. Failing that an email to Val, LZ1VB at acom@... should also get you that information. He's a great guy and helped me a short while ago in resolving a tricky issue with the A1000.

Cheers,

Dean - 8P6SH

On Tue, Jul 16, 2013 at 6:02 PM, barrie_spink <gm0kzx@...> wrote:

> **
>
>
> I have just replaced the valves in an Acom 1011 amplifier, I am seeking a
> Service Manual, operational manual and if all else fails an Electronic
> schematic. Can any body help me..
> I would also be interested to know if any of the other moels are similar
> to the 1011 model
> Thanking You
>
> Barrie P Spink GM0KZX
>
>
>

--
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*
*
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Barbados
*
*
246-266-8230
246-416-5277

*
*
dmsthill@...m

[Non-text portions of this message have been removed]

5562. Acom 1500 Schematics

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-17 07:15:13 UTC
From: martin_kh6mb
Topic: 5562 Message: 5562

If anyone has the schematics for the Acom 1500 could you upload to the files section.

Thanks and 73 de Martin/KH6MB

5563. 2012 ACOM 2000A with old type RCU for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2013-07-29 19:47:13 UTC
From: Jay Terleski
Topic: 5563 Message: 5563

Hello List.
Here at Array Solutions we have one 2012 ACOM 2000A with the older RCU left.
It was used at Dayton for a demo in 2012 before the new RCU was out. So it
has very low tube time on it.

We offer it with brand new Warranty (2 years, 1 year on the tubes).
New 2000As are now $7950.00
This one is $6850 which includes free shipping to lower 48 states, and
accommodation credit of $75
outside the lower 48.

This amp is in new condition.

Give us a call if interested.

--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

5564. Acom 1000 for Sale

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-15 14:21:00 UTC
From: KD3TB
Topic: 5564 Message: 5564

Acom 1000 Amplifier Serial Number 020175

Contest Season is starting soon and it's time to think about updating your station.

I am selling my Acom 1000 amp. It has recently been repaired by Array Solutions and restored to original factor specs.

I am the original owner. The amp is in excellent condition and I am a non-smoker.

The amp will be shipped from Array Solutions, in Texas. I will ship the original manual separately from my home QTH to the buyer.

I am asking $2,600 + shipping from Texas.

If you are interested in purchasing please email me off the reflector at KD3TB@...

Irwin, KD3TB

[Non-text portions of this message have been removed]

5565. Acom 1000 bias too low to achieve 220ma plate current

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-16 16:43:50 UTC
From: g3xrj
Topic: 5565 Message: 5565

Trying to set standing current with RP2 and unable to get below 350ma with 3w drive.
Working on Acom Schematic P16 of 25 which is Mains Sht 2 of 5.
Bias volts on JP4 pin 5 -38v.
Left side of R16 -130v key up -86v key down.
I feel this left side of R16 should maintain -130v key up and down ?
I cant find any problem with rectifier circuit D7-D9 D10 etc.
Changed C15 without effect.
Lifting left side of R16 then top of R14 maintains -130v key up/down.
Re-connecting R16 the 50v developed across it indicate a current of 2ma through it.
Questions
1) Is the 2ma sufficient to trip Q1 which I assume to be crowbar protection.
2) what is purpose of 7.5v Zener D11 which despite replacing it only shows 3v across it.
3) What is purpose of Q6
4) Q7 appears to be instrumental in Bias controlled by RP2 and metering circuit U2B etc.

Removing the 4cx800 and JP4 makes no difference to voltage readings.

Can anyone improve my understanding please

John G3XRJ

5566. Re: Acom 1000 bias too low to achieve 220ma plate current

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-20 16:30:56 UTC
From: g3xrj
Topic: 5565 Message: 5566

Problem traced to Q1.
replaced and now all is back to normal.

73

John G3XRJ

5567. Wanted: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-21 12:53:11 UTC
From: K2CB
Topic: 5567 Message: 5567

Looking for a clean late production Acom 2000A.

Prefer something within driving distance its a central New Jersey.

Eric
K2CB at ARRL dot NET

[Non-text portions of this message have been removed]

5568. RE: [acom-list] Wanted: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-21 14:07:18 UTC
From: Ed Caplan
Topic: 5567 Message: 5568

2006 build date very clean non smoker. Retubed several years ago. Warwick, PA. 20 minutes to New Hope, PA. I can demonstrate amp.

73, Ed W3CC

[Non-text portions of this message have been removed]

5569. Acom 2000s controller failure

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-26 00:02:19 UTC
From: AB2E Darrell
Topic: 5569 Message: 5569

Hi,
Wonder if anyone with the 2000S antenna switch and controller have had this problem....if so, how did you resolve it?

It had been working fine with the Acom 2000A.

Went to turn on the 2000s tonight which I do prior to turning on the amp, the LEDs were out, and there was a buzz/hum/vibration coming from the box.

I tried unplugging the control cable to the antenna switch, and got the same result.

Thanks and 73,
Darrell AB2E

[Non-text portions of this message have been removed]

5570. FTDX-3000 connection

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-26 21:39:39 UTC
From: <vlymen@...>
Topic: 5570 Message: 5570

Would a simple RCA phone jack connected to the TX GRD be sufficient to connect an ACOM 1000 to an Yaesu FTDX-3000 instead of modifying a plug for that ridiculous DB-15 LINEAR plug?
Thanks, Bill, KN6V

5571. Re: [acom-list] FTDX-3000 connection

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-26 22:27:30 UTC
From: W5OV@...
Topic: 5570 Message: 5571

Yes.

> Would a simple RCA phone jack connected to the TX GRD be sufficient to
> connect an ACOM 1000 to an Yaesu FTDX-3000 instead of modifying a plug for
> that ridiculous DB-15 LINEAR plug? Thanks, Bill, KN6V
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

5572. 2000a new rcu questions

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-27 00:02:50 UTC
From: myles
Topic: 5572 Message: 5572

hi

Just wondering is the new digital display back lit'' via LED ?

Also wondering, when the power switch on the main unit is 'on' aside from the digital head, what else gets power? Any power to the tubes at this point?

Thanks
N2EHG

5573. Re: [acom-list] FTDX-3000 connection

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-27 02:11:49 UTC
From: Alan Young
Topic: 5570 Message: 5573

Yes. No problem. The amp just needs a ground to key. I use it on an Acom 1000 with an FT-2000, 3000, and 5000MP. Forget that linear plug. It is more for band data to a VL-1000
Alan
N5AGY

On Aug 26, 2013, at 4:39 PM, <vlymen@...> wrote:

> Would a simple RCA phone jack connected to the TX GRD be sufficient to connect an ACOM 1000 to an Yaesu FTDX-3000 instead of modifying a plug for that ridiculous DB-15 LINEAR plug? Thanks, Bill, KN6V
>
>

[Non-text portions of this message have been removed]

5574. RE: [acom-list] 2000a new rcu questions

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-27 10:58:14 UTC
From: Bob Naumann
Topic: 5572 Message: 5574

The lighting could be LED - not sure, but it sure looks great.

No power to the tubes with just the main switch on. Only low voltage to the RCU and other controller related components at that point.

de W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of myles
Sent: Monday, August 26, 2013 7:03 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000a new rcu questions

hi

Just wondering is the new digital display back lit'' via LED ?

Also wondering, when the power switch on the main unit is 'on' aside from the digital head, what else gets power? Any power to the tubes at this point?

Thanks
N2EHG

Yahoo! Groups Links

5575. Re: [acom-list] 2000a new rcu questions

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-27 11:40:39 UTC
From: Hal Kennedy
Topic: 5572 Message: 5575

Not quite correct if we are talking the 2000A. With the power switch ON
and the RCU OFF, the bias supply is alive. There is something like
-125V on the screen grids. Otherwise the tubes are un-powered however..

73
Hal
N4GG

On 8/27/2013 6:58 AM, Bob Naumann wrote:
>
> The lighting could be LED - not sure, but it sure looks great.
>
> No power to the tubes with just the main switch on. Only low voltage
> to the
> RCU and other controller related components at that point.
>
> de W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto:acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>] On Behalf
> Of myles
> Sent: Monday, August 26, 2013 7:03 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] 2000a new rcu questions
>
> hi
>
> Just wondering is the new digital display back lit'' via LED ?
>
> Also wondering, when the power switch on the main unit is 'on' aside from
> the digital head, what else gets power? Any power to the tubes at this
> point?
>
> Thanks
> N2EHG
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>

[Non-text portions of this message have been removed]

5576. RE: 2000a new rcu questions

Yahoo group: acom-list (2010 — 2016)
Date: 2013-08-29 04:39:32 UTC
From: <on4vp@...>
Topic: 5572 Message: 5576

The manual states that I your intentions are not to use the amplifier for several hours to switch off the main power switch. I let it on only when I know I'll be using the amp later on, otherwise if I'm not using it anymore that same day, I switch it off. When on, the displays shows your call sign if programmed. Phil.   --- In acom-list@yahoogroups.com, <halken@...> wrote: Not quite correct if we are talking the 2000A. With the power switch ON
and the RCU OFF, the bias supply is alive. There is something like
-125V on the screen grids. Otherwise the tubes are un-powered however..

73
Hal
N4GG

On 8/27/2013 6:58 AM, Bob Naumann wrote:
>
> The lighting could be LED - not sure, but it sure looks great.
>
> No power to the tubes with just the main switch on. Only low voltage
> to the
> RCU and other controller related components at that point.
>
> de W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> [mailto: acom-list@yahoogroups.com
> <mailto:acom-list%40yahoogroups.com>] On Behalf
> Of myles
> Sent: Monday, August 26, 2013 7:03 PM
> To: acom-list@yahoogroups.com <mailto:acom-list%40yahoogroups.com>
> Subject: [acom-list] 2000a new rcu questions
>
> hi
>
> Just wondering is the new digital display back lit'' via LED ?
>
> Also wondering, when the power switch on the main unit is 'on' aside from
> the digital head, what else gets power? Any power to the tubes at this
> point?
>
> Thanks
> N2EHG
>
> ------------------------------------
>

> Yahoo! Groups Links
>
>

[Non-text portions of this message have been removed]

5577. RE: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-02 05:36:51 UTC
From: <steve.lesson@...>
Topic: 5502 Message: 5577

 Fred, 'ACOM 1000' shows on the LCD when power rocker switch at rear is ON but the amp is OFF on the pushbutton. Without power only the tiny dashes and numbers for the power graph along the top are visible all the time (printed?)   Why don't you ring Ron at Vine Antennas - he's really helpful and can certainly fix you up with parts if nothing else.   Steve M1BJR Somerset. --- In acom-list@yahoogroups.com, <g4rra@...> wrote: Thanks for the info but Ive tried that.

Strangely Acom 1000 does not appear in the display when the amp is off,and Im sure it used to.

When I get some time I will investigate and report back !

Paul G4RRA

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Fri, 14 Jun 2013 13:35:44 -0500
Subject: Re: [acom-list] Re: Acom 1000 display

It's most likely that the backlight adjustment has become dimmed by mistake.

Check the manual for instructions on how to adjust the display backlight.

I've only seen one bad display in over 10 years of working with the 1000.

> Hello Fred

>

> If you find out let me know,I just sorted one problem out involving the

> screen voltage on my Acom.I then went away on holiday for 2 weeks came

> back, turned it on, and theres no display.

>

> Other than that it works fine, and still produces power.

>

> I used to love my Acom 1000 but now Im starting to hate the damn thing !

>

> Paul G4RRA

>

> --- In acom-list@yahoogroups.com , "dodgy_dxer" <fredch@...> wrote:

>>

>> Hi All

>>

>> While I am new (but used) Acom 2000A user my friend has picked up an

>> Acom 1000 with a dead display.

>>

>> Has anyone had this fault before? We think it is the display and not

>> the backlight

>>

>> Any help appreciated

>>

>> Many thanks

>>

>> 73 Fred

>> G4BWP - A65BD

>>

>

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> Yahoo! Groups Links

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>

[Non-text portions of this message have been removed]

5578. RE: error codes

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-02 05:50:58 UTC
From: <steve.lesson@...>
Topic: 5501 Message: 5578

Brian, I had this happen sporadically. I Googled the error codes and it was linked to grid current. Mine would only trip during warm-up or idle, never on Tx.   It was nearly new so I got a new valve installed under warranty and all is fine again.   Get the spreadsheet here mate: http://www.gmdx.org.uk/Default.aspx?pageId=1671106   Steve. --- In acom-list@yahoogroups.com, <gm0egi@...> wrote: Hi,
Can Anyone tell me where I can get the excel sheet that decodes the error codes for acom 1000 ?. My linear has been going into auto protect on standby, it may be the output relay but I am not sure.
Any help would be gratefully received.
73
Brian
GM0EGI

5579. Re: [acom-list] RE: error codes

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-02 11:08:36 UTC
From: Mike Harris
Topic: 5501 Message: 5579

Confusing emails with all sorts of rubbish codes embedded.

However, to whoever, with the Acom 1000 fully off, that is, switched off at the rear, there isn't any banner display. With the rear switch on, red light on the front, the banner is displayed.

Brian, send me an email and I will forward a copy of the error code spreadsheet, it's only 55KB.

Regards,

Mike VP8NO

On 02/09/2013 02:50, steve.lesson@... wrote:
> Brian, I had this happen sporadically. I Googled the error codes and it was linked to grid current. Mine would only trip during warm-up or idle, never on Tx. It was nearly new so I got a new valve installed under warranty and all is fine again. Get the spreadsheet here mate: http://www.gmdx.org.uk/Default.aspx?pageId=1671106 Steve. --- In acom-list@yahoogroups.com, <gm0egi@...> wrote: Hi,
> Can Anyone tell me where I can get the excel sheet that decodes the error codes for acom 1000 ?. My linear has been going into auto protect on standby, it may be the output relay but I am not sure.
> Any help would be gratefully received.
> 73
> Brian
> GM0EGI

5580. RE: error codes

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-02 16:35:55 UTC
From: <steve.lesson@...>
Topic: 5501 Message: 5580

Posting in the wrong thread Mike?

--- In acom-list@yahoogroups.com, <mike.harris@...> wrote:

Confusing emails with all sorts of rubbish codes embedded.

However, to whoever, with the Acom 1000 fully off, that is, switched off

at the rear, there isn't any banner display. With the rear switch on,

red light on the front, the banner is displayed.

Brian, send me an email and I will forward a copy of the error code

spreadsheet, it's only 55KB.

Regards,

Mike VP8NO

On 02/09/2013 02:50, steve.lesson@... wrote:

> Brian, I had this happen sporadically. I Googled the error codes and it was linked to grid current. Mine would only trip during warm-up or idle, never on Tx.   It was nearly new so I got a new valve installed under warranty and all is fine again.   Get the spreadsheet here mate: http://www.gmdx.org.uk/Default.aspx?pageId=1671106   Steve. --- In acom-list@yahoogroups.com , <gm0egi@...> wrote: Hi,

> Can Anyone tell me where I can get the excel sheet that decodes the error codes for acom 1000 ?. My linear has been going into auto protect on standby, it may be the output relay but I am not sure.

> Any help would be gratefully received.

> 73

> Brian

> GM0EGI

5581. Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-03 19:29:20 UTC
From: sulaiman Aljedaie
Topic: 5502 Message: 5581

hi
try to switch the amp from the rear switch Several attempts until you get some display
or try to leave the amp switched on for long time like two days Then turn it off on again
many thanks

73 sulaiman 7Z1SJ

[Non-text portions of this message have been removed]

5582. RE: [acom-list] Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-04 07:54:02 UTC
From: Paul pasquet
Topic: 5502 Message: 5582

Thanks Sulaiman

Its been a while since my original posting and it turns out this is exactly what I did..and the display reappeared.

So far its not done it again,so if the display disappears but the backlight is still on just try switching it off on the rear switch and then switching it back on again..it worked for me.

After I had done it I wondered why I had not thought of it before,but I guess most of us just switch the main on/off switch on rather than use the rear switch.

Paul G4RRA

To: acom-list@yahoogroups.com
From: s7z1sj@...
Date: Tue, 3 Sep 2013 22:29:20 +0300
Subject: [acom-list] Re: Acom 1000 display

hi

try to switch the amp from the rear switch Several attempts until you get

some display

or try to leave the amp switched on for long time like two days Then turn

it off on again

many thanks

73 sulaiman 7Z1SJ

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

5583. FS: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-18 13:28:45 UTC
From: <f5vnb@...>
Topic: 5583 Message: 5583

Acom 2000A for sale, as new condition.

Purchased 7 March 2012 from Vine Antennas.
Only 105 hours running time, mark 1 RCU, manual, original transport boxes.

GBP3000, carriage extra.

73, Pete Connors F5VNB/G4PLZ

5584. Acom1000 PN07 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-25 17:46:36 UTC
From: Larry Benko
Topic: 5584 Message: 5584

Hi Icom folks,

Acom 1000 was on and in standby. Fault occurred and amp tripped off.
Now trying to turn on amp gives the following fault code:

1APN07 000000 000000 1B0095 0400DD DF6E5E

The 7 in the first group (1APN0*7*) indicates a high voltage failure and the 00 in the 4th group (1B*00*95) indicates the voltage = 0. The 95 in the 4th group(1B00*95*) indicates a temperature of 25 deg. C (2*hex2dec(95)-273) which is about right. The amp is stone cold which indicates to me that the A/D reference voltage is OK. Have I interpreted the fault codes correctly?

73,
Larry, W0QE

5585. Re: Acom1000 PN07 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-26 13:14:40 UTC
From: Jay Terleski
Topic: 5584 Message: 5585

Larry,
Yes you have a HV fault. Check the HV diodes, and the 3M resistor and HV measurement circuit first on the HV board.

Unplug HV wire, and turn on amp with cover on of course. See if it warms up. If so you have a tank issues bypass caps, or even an Anode short on the tube.
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

5586. acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-28 15:08:33 UTC
From: Terry G4AMT
Topic: 5586 Message: 5586

Hello
After months of faultless operation, my Acom 1000 failed on start-up
this morning with the following string:-
1APN27 000000 000000 1BCE94 0760DC D76FDA

I am - hopefully correctly - interpreting this as High HV - it looks
like `hvm, V 3296`.
R13 - the 3M resistor pack seems to check out ok; so I am suspecting the
power diodes or similar in that area.
Any advice would be much appreciated.
Thank you.
Terry
G4AMT

5587. Re: [acom-list] acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-28 15:49:47 UTC
From: Dean St. Hill
Topic: 5586 Message: 5587

Hi Terry

I hope your luck is better than mine. I would advise you contact the factory and get one of the technicians to walk you through the trouble-shooting procedure. Basically I had a similar problem and its essentially a HV fault. I had many of the same suspicions you had but it turned out to be a short between the HV and the LV windings on the secondary of the transformer. The test for that is to check the resistance between thevarious windings mine were something like this:

The inter-coil resistance is as follows:

120V winding resistance: 42 ohms
305V winding resistance: 16 ohms
2050V winding resistance: 100 ohms

2050V winding to 120V winding: completely open no reading at most sensitive
2050V winding to 305V winding: 300 k-ohms

120V winding to 305V winding: completely open no reading at most sensitive

Should I suspect that there is a problem between the 305V winding and the HV winding??

AND the answer was YES I had some leakage between the 2050V and the 305V windings.

I would check this first and if you are lucky you will not have a short here and then I can tell you what other tests they asked me to do and I will give you email address for Stan at ACOM <acom@mail.orbitel.bg>. He will talk you through it. AND actually I
might have had a PN07 error not a PN27 BUT I have had 2 Acom 1000 and had major problems with both. I am now changing the transformer on the second after selling the first. I will probably still purchase an Acom 1500 as
this problem is one of customised transformers which was not as big a deal with triodes which only required a HV supply. These amps are a bit more complicated and work well until they develop faults which are often expensive
and difficult for the user to diagnose.

Regards

Dean

On Sat, Sep 28, 2013 at 11:08 AM, Terry G4AMT <terry@...> wrote:

> **
>
>
> Hello
> After months of faultless operation, my Acom 1000 failed on start-up
> this morning with the following string:-
> 1APN27 000000 000000 1BCE94 0760DC D76FDA
>
> I am - hopefully correctly - interpreting this as High HV - it looks
> like `hvm, V 3296`.
> R13 - the 3M resistor pack seems to check out ok; so I am suspecting the
> power diodes or similar in that area.
> Any advice would be much appreciated.
> Thank you.
> Terry
> G4AMT
>
>

--
Dean St.Hill
*
*
*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*
dmsthill@...

5588. Re: [acom-list] acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-28 16:14:28 UTC
From: Larry Benko
Topic: 5586 Message: 5588

Dean,

Just 2 days ago I had a PN07 fault (1APN07 000000 000000 1B0095 0400DD DF6E5E) which turned out to be a short in the transformer between the HV and AC winding (1-2-3-4). It took out a diode in the HV bridge and both R1A & R1B in the plate current detect on the HV board. Analyzing the circuit with such a short easily shows how damage to both parts occurs. Removing the transformer from the amp still shows the same short. I now have a inquiry out as to the price of a new transformer.

While inspecting the main PCB I also found a bulging and ready to fail electrolytic cap (C5 3300uF @ 25V) which I replaced. BTW my Acom 1000 was bought in 2001 and has been a good performer until now.

Larry, W0QE

On 9/28/2013 9:49 AM, Dean St. Hill wrote:
> Hi Terry
>
> I hope your luck is better than mine. I would advise you contact the
> factory and get one of the technicians to walk you through the
> trouble-shooting procedure. Basically I had a similar problem and its
> essentially a HV fault. I had many of the same suspicions you had but
> it turned out to be a short between the HV and the LV windings on the
> secondary of the transformer. The test for that is to check the
> resistance between thevarious windings mine were something like this:
>
> The inter-coil resistance is as follows:
>
> 120V winding resistance: 42 ohms
> 305V winding resistance: 16 ohms
> 2050V winding resistance: 100 ohms
>
> 2050V winding to 120V winding: completely open no reading at most
> sensitive
> 2050V winding to 305V winding: 300 k-ohms
>
> 120V winding to 305V winding: completely open no reading at most sensitive
>
>
> Should I suspect that there is a problem between the 305V winding and
> the HV winding??
>
> AND the answer was YES I had some leakage between the 2050V and the
> 305V windings.
>

> I would check this first and if you are lucky you will not have a
> short here and then I can tell you what other tests they asked me to
> do and I will give you email address for Stan at ACOM
> <acom@... <mailto:acom@...>>. He will talk you
> through it. AND actually I
> might have had a PN07 error not a PN27 BUT I have had 2 Acom 1000 and
> had major problems with both. I am now changing the transformer on the
> second after selling the first. I will probably still purchase an Acom
> 1500 as
> this problem is one of customised transformers which was not as big a
> deal
> with triodes which only required a HV supply. These amps are a bit more
> complicated and work well until they develop faults which are often
> expensive
> and difficult for the user to diagnose.
>
>
> Regards
>
> Dean
>
>
>
>
> On Sat, Sep 28, 2013 at 11:08 AM, Terry G4AMT <terry@...
> <mailto:terry@...>> wrote:
>
> Hello
> After months of faultless operation, my Acom 1000 failed on start-up
> this morning with the following string:-
> 1APN27 000000 000000 1BCE94 0760DC D76FDA
>
> I am - hopefully correctly - interpreting this as High HV - it looks
> like `hvm, V 3296`.
> R13 - the 3M resistor pack seems to check out ok; so I am
> suspecting the
> power diodes or similar in that area.
> Any advice would be much appreciated.
> Thank you.
> Terry
> G4AMT
>
>
>
>
> --
> */Dean St.Hill/*
> */
> /*
> *Counterpoint Consulting *

> *17 Ocean City*
> *St.Philip*
> *Barbados*
> *
> *
> *246-266-8230*
> *246-416-5277*
> *
> *
> *dmsthill@... <mailto:dmsthill@...>*
>

5589. RE: acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-28 19:12:23 UTC
From: <stevehurstg8lik2003@...>
Topic: 5586 Message: 5589

Hi,

Also had the PN07 trips last year and as I have more than one Acom 1000A bought a spare transformer which was in excess of £400 shipped to the UK. The problem turned out to be a zener in the EHT sampling chain that was short and telling the control circuit that there was no EHT. Fortunately that repair was very inexpensive...other than buying the spare transformer :)

73 Steve G8LIK

5590. Re: [acom-list] RE: acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-28 22:28:28 UTC
From: Dean St. Hill
Topic: 5586 Message: 5590

Sorry to hear that. My transformer quote was 362 Euros and then shipping another 100 Euros. I believe mine was purchased at around the same originally and I bought from the owner in 2005.

Regards

Dean

On Sat, Sep 28, 2013 at 3:12 PM, <stevehurstg8lik2003@...> wrote:

> **
>
>
>
> Hi,
> Also had the PN07 trips last year and as I have more than one Acom
> 1000A bought a spare transformer which was in excess of £400 shipped to the
> UK. The problem turned out to be a zener in the EHT sampling chain that
> was short and telling the control circuit that there was no EHT.
> Fortunately that repair was very inexpensive...other than buying the spare
> transformer :)
>
>
>
> 73 Steve G8LIK
>
>
>
>
>
>
>

--
Dean St.Hill
*
*
*Counterpoint Consulting *
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St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*

dmsthill@...

5591. ACOM 2000A Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-29 13:23:22 UTC
From: Richard Zalewski
Topic: 5591 Message: 5591

While operating in the RTTY test my amp suddenly shut off. I discovered both line fuses had blown. After replacing them the amp powers on but after the warmup it shuts off with the error message LOW HV ON STARTUP.88KV.

I saw in the achieves that others had the problem but I did not see any solution.

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

5592. Re: [acom-list] acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-29 15:31:04 UTC
From: Val
Topic: 5586 Message: 5592

Terry,

If the amplifier is set to the right mains voltage, 3296V could be result of a metering error only. The usual suspect is the 3M resistor. Sometimes it's quite a tricky and checks out OK with an ohmmeter but fails when the HV is applied. If your resistor is of red/brown colour, it's capable of such a dirty trick.

Generally speaking about the error codes showing HV malfunction, one should have in mind that an error showing a missing HV isn't bound to a HV failure. A low voltage supply fault wouldn't allow the HV transformer turning on at all. Same with the soft start resistors, power on relays and fuses. The relay clicks at power on or their missing are a good indication where to look.

73, Val LZ1VB

> Hello
> After months of faultless operation, my Acom 1000 failed on start-up
> this morning with the following string:-
> 1APN27 000000 000000 1BCE94 0760DC D76FDA
>
> I am - hopefully correctly - interpreting this as High HV - it looks
> like `hvm, V 3296`.
> R13 - the 3M resistor pack seems to check out ok; so I am suspecting the
> power diodes or similar in that area.
> Any advice would be much appreciated.
> Thank you.
> Terry
> G4AMT
>
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> Yahoo! Groups Links
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5593. ACOM 2000A Info Request

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-29 20:04:09 UTC
From: Richard Zalewski
Topic: 5593 Message: 5593

Looking for schematic and/or pictures of a rev4 2002 HV Rectifier and SG Reg board. My schematics are from 1998 and of not much help. Trying to find the "Low HV on Startup" problem.

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

5594. RE: [acom-list] ACOM 2000A Info Request

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-29 20:17:52 UTC
From: Ron Castro
Topic: 5593 Message: 5594

Richard:

I don't know if the list will take attachments, but here are the three schematic pages from the CD. If the attachments get stripped off, let me know your email and I'll send them direct.

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Richard Zalewski
Sent: September 29, 2013 1:04 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A Info Request

Looking for schematic and/or pictures of a rev4 2002 HV Rectifier and SG Reg board. My schematics are from 1998 and of not much help. Trying to find the "Low HV on Startup" problem.

--
Tnx es 73
Richard W7ZR
www.w7zr.com <http://www.w7zr.com/>

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

5595. Re: [acom-list] ACOM 2000A Info Request

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-29 20:38:14 UTC
From: Richard Zalewski
Topic: 5593 Message: 5595

Thanks Ron, I got the files via your pm. I had those. Need files for rev 2002.

On Sun, Sep 29, 2013 at 1:17 PM, Ron Castro <ronc@...> wrote:

> **
>
>
> Richard:
>
> I don't know if the list will take attachments, but here are the three
> schematic pages from the CD. If the attachments get stripped off, let me
> know your email and I'll send them direct.
>
> Ron Castro
>
> N6IE
>
> <http://www.n6ie.com/> www.N6IE.com
>
> Member:
>
> ARRL
>
> Redwood Empire DX Assn.
>
> Northern California Contest Club
>
> Northern California DX Foundation
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf
> Of Richard Zalewski
> Sent: September 29, 2013 1:04 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] ACOM 2000A Info Request
>
>
> Looking for schematic and/or pictures of a rev4 2002 HV Rectifier and SG
> Reg
> board. My schematics are from 1998 and of not much help. Trying to find
> the "Low HV on Startup" problem.
>
> --
> Tnx es 73

> Richard W7ZR
> www.w7zr.com <http://www.w7zr.com/>
>
> Be joyful in hope, patient in affliction, faithful in prayer
>
> [Non-text portions of this message have been removed]
>
>
>

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

5596. acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-09-29 21:47:12 UTC
From: paim
Topic: 5596 Message: 5596

from today i try tune anp on lower band 40m i notice that the load have change let say it was on 70
now it is on 65 or so the tune stay the same as max, then i move to 20 m again it was not the same load that i had last night
load gone from 39 to 34 the tune same the same , since i have many antenna lp 3 time stappir etc all the same on every band look like the load change over night swr is great
any one can advice why ?
i hope i make it clear , other strange when i tune the tune show 3 to 4 bar i think before i had many 6 or 8 bar
the amp tune but something not right any help please thank you

vy 73
E.P g0uut

5597. Re: [acom-list] acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-02 15:17:19 UTC
From: Terry G4AMT
Topic: 5586 Message: 5597

Hi Val
New 3Mohm resistor and amplifier is working fine !

Thank you for your help which is much appreciated.

73

Terry

On 29/09/2013 16:31, Val wrote:
> Terry,
>
> If the amplifier is set to the right mains voltage, 3296V could be
> result of
> a metering error only. The usual suspect is the 3M resistor. Sometimes it's
> quite a tricky and checks out OK with an ohmmeter but fails when the HV is
> applied. If your resistor is of red/brown colour, it's capable of such a
> dirty trick.
>
> Generally speaking about the error codes showing HV malfunction, one should
> have in mind that an error showing a missing HV isn't bound to a HV
> failure.
> A low voltage supply fault wouldn't allow the HV transformer turning on at
> all. Same with the soft start resistors, power on relays and fuses. The
> relay clicks at power on or their missing are a good indication where to
> look.
>
> 73, Val LZ1VB
>
> > Hello
> > After months of faultless operation, my Acom 1000 failed on start-up
> > this morning with the following string:-
> > 1APN27 000000 000000 1BCE94 0760DC D76FDA
> >
> > I am - hopefully correctly - interpreting this as High HV - it looks
> > like `hvm, V 3296`.
> > R13 - the 3M resistor pack seems to check out ok; so I am suspecting the
> > power diodes or similar in that area.
> > Any advice would be much appreciated.
> > Thank you.
> > Terry
> > G4AMT
> >
> >
> > ------------------------------------
> >

> > Yahoo! Groups Links
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>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2014.0.4142 / Virus Database: 3604/6706 - Release Date: 09/28/13
>

5598. Acom 1000 PN27 start-up - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-02 15:20:25 UTC
From: Terry G4AMT
Topic: 5598 Message: 5598

Thank you to all who responded on and off list.
The fault was indeed R13, the 3Mohm package resistor - this checked out fine with an ohm-meter, but was causing the start-up failure.
A near identical replacement is available in the UK from RS Components 296-0689

73

Terry
G4AMT

5599. Re: [acom-list] acom 1000 PN27 on start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-02 20:36:08 UTC
From: Dean St. Hill
Topic: 5586 Message: 5599

Glad you have solved the problem and that it was relatively simple.

Regards

Dean

PS I just checked back through my mail from Com and my error was PNG7 as opposed to your PN27. I think I misled you with my comments.

On Wednesday, October 2, 2013, Terry G4AMT <terry@...> wrote:
> Hi Val
> New 3Mohm resistor and amplifier is working fine !
>
> Thank you for your help which is much appreciated.
>
> 73
>
> Terry
>
> On 29/09/2013 16:31, Val wrote:
>> Terry,
>>
>> If the amplifier is set to the right mains voltage, 3296V could be
>> result of
>> a metering error only. The usual suspect is the 3M resistor. Sometimes
it's
>> quite a tricky and checks out OK with an ohmmeter but fails when the HV
is
>> applied. If your resistor is of red/brown colour, it's capable of such a
>> dirty trick.
>>
>> Generally speaking about the error codes showing HV malfunction, one
should
>> have in mind that an error showing a missing HV isn't bound to a HV
>> failure.
>> A low voltage supply fault wouldn't allow the HV transformer turning on
at
>> all. Same with the soft start resistors, power on relays and fuses. The
>> relay clicks at power on or their missing are a good indication where to
>> look.
>>
>> 73, Val LZ1VB
>>
>> > Hello
>> > After months of faultless operation, my Acom 1000 failed on start-up
>> > this morning with the following string:-

>> > 1APN27 000000 000000 1BCE94 0760DC D76FDA
>> >
>> > I am - hopefully correctly - interpreting this as High HV - it looks
>> > like `hvm, V 3296`.
>> > R13 - the 3M resistor pack seems to check out ok; so I am suspecting
the
>> > power diodes or similar in that area.
>> > Any advice would be much appreciated.
>> > Thank you.
>> > Terry
>> > G4AMT
>> >
>> >
>> > ------------------------------------
>> >
>> > Yahoo! Groups Links
>> >
>> >
>> >
>> >
>>
>>
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2014.0.4142 / Virus Database: 3604/6706 - Release Date: 09/28/13
>>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>
>
>
>

--
Dean St.Hill
*
*
*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*

*
dmsthill@...

5600. RE: Acom 1000 PN27 start-up - solved

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-03 19:43:21 UTC
From: <stevehurstg8lik2003@...>
Topic: 5598 Message: 5600

Terry thanks for sharing the part number, searching elsewhere gave no leads and worth getting one in reserve as thats a likely failure ...have ordered for the spares kit but now out of further stock with more due December. Cost approx £8 with VAT exc shipping.

73 Steve G8LIK

A near identical replacement is available in the UK from RS Components
296-0689

73

Terry
G4AMT

5601. 1APR27

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-04 08:38:51 UTC
From: Arne Andersson
Topic: 5601 Message: 5601

Hi!

Anyone can help me with errorcode 1APR27 000000 000100.

TIA Arne/SM5CNQ

5602. Re: [acom-list] 1APR27

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-05 00:23:43 UTC
From: Dean St. Hill
Topic: 5601 Message: 5602

Hi

Since no-one has responded there are quite a few messages and it might be useful to search the archive.

This I think fans a UV fault. The last problem like this was the 3 mega ohm resistor used in the metering circuit. You may wish to start by checking out that resistor.

A search of the archives would be quite useful.

Dean - 8PUSH

On Friday, October 4, 2013, Arne Andersson <sm5cnq@...> wrote:
>
>
> Hi!
>
> Anyone can help me with errorcode 1APR27 000000 000100.
>
> TIA Arne/SM5CNQ
>
>
>

--
Dean St.Hill
*
*
*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados
*
*
246-266-8230
246-416-5277
*
*
dmsthill@...

5603. Re: [acom-list] 1APR27

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-05 04:27:28 UTC
From: Val
Topic: 5601 Message: 5603

Arne,

The errorcodes consist from 6 goups. Please push NEXT to see the other 3 groups.

73, Val LZ1VB

Hi!

Anyone can help me with errorcode 1APR27 000000 000100.

TIA Arne/SM5CNQ

5604. Re: [acom-list] 1APR27

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-05 11:16:04 UTC
From: Arne Andersson
Topic: 5601 Message: 5604

Hi Val,

Dont understand groups. But here the latest errorcodes.

1APN07 000000 010000
7BAA95 0720DC D77FEE
7APN26 000000 050007
6BA995 0320DC D77FED
6ASB26 000000 000006
5BA795 0720DC D77FE7
5ASB26 000000 000006
4BACA9 7720DC DF7FA7
4APR2E 000000 000000
3B5E97 7720DC D77F6B
3APR27 000000 000100
2BA996 7720DC DF779C

TIA Arne/SM5CNQ

----- Original Message -----
From: "Val" <val@...>
To: <acom-list@yahoogroups.com>
Sent: Saturday, October 05, 2013 6:27 AM
Subject: Re: [acom-list] 1APR27

> Arne,
>
> The errorcodes consist from 6 goups. Please push NEXT to see the other 3
> groups.
>
> 73, Val LZ1VB
>
>
> Hi!
>
> Anyone can help me with errorcode 1APR27 000000 000100.
>
> TIA Arne/SM5CNQ
>
>
>
>
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>

> ------------------------------------
>
> Yahoo! Groups Links
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>

5605. Acom 1000 Screen Current Reads 0mA

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-06 22:21:17 UTC
From: Mark Robinson
Topic: 5605 Message: 5605

I have an Acom 1000 which seems to be working perfectly but the Screen Current reads 0 mA at all times.

What should it read and where should I look for the problem.

thanks and 73 Mark N1UK

5606. 1APR27

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-07 21:30:27 UTC
From: Arne Andersson
Topic: 5601 Message: 5606

HI Val!

This morning after warmup I pushed OPER button and got an ARC.
Turned off then on again and all is working fine all day.
I now have errorcode 1APN07 000000 010000
Not often but when I want to run only 100 watts for some
local qso's without turning off the linear I turn OPER off.
I can't get any power bypass the linear. Like no antenna.
Any idea Val?

73 Arne/SM5CNQ

5607. 2000A Fault: Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 00:52:39 UTC
From: Dave Hawes
Topic: 5607 Message: 5607

Group,

I just got a fault on the RCU, "Microprocessor Conflict." Never saw this one before. Amp was working a couple of days ago.

Any ideas for a fix?

73 - Dave N3RD

5608. 2000A Fault: Microprocessor Conflict - Resolved

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 01:02:32 UTC
From: Dave Hawes
Topic: 5607 Message: 5608

I subsequently discovered that the plug on the cable from the RCU had come partially loose from its jack on the rear of the 2000A. Not loose enough to prevent the startup from being initiated, though. I'm blaming this on the new kitten...my story and I'm sticking to it.

73 - Dave N3RD

On 7 Oct 2013 at 20:52, Dave Hawes wrote:

Group,

I just got a fault on the RCU, "Microprocessor Conflict." Never saw this one before. Amp was working a couple of days ago.

Any ideas for a fix?

73 - Dave N3RD

The following section of this message contains a file attachment
prepared for transmission using the Internet MIME message format.
If you are using Pegasus Mail, or any other MIME-compliant system,
you should be able to save it or view it from within your mailer.
If you cannot, please ask your system administrator for assistance.

---- File information -----------
File: DEFAULT.BMP
Date: 21 Sep 2001, 15:59
Size: 358 bytes.
Type: Unknown

[Non-text portions of this message have been removed]

5609. Acom 2000A Extra Cooling

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 15:11:19 UTC
From: Richard Zalewski
Topic: 5609 Message: 5609

I have an Acom 2000A with the factory extra cooling fan. I have always run extra fans on the tube exhausts of my amps but have not done so with the 2000. Anyone see a problem of running a couple of muffins on top of the tube exhausts?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

5610. Re: [acom-list] Acom 2000A Extra Cooling

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 15:48:19 UTC
From: Brian Alsop
Topic: 5609 Message: 5610

This is my understanding:

The airflow of the muffin fans must be at least as much as the primary cooling fan. Otherwise, it results in a constriction which actually can result in higher tube temps.

73 de Brian/K3KO

On 10/8/2013 15:11, Richard Zalewski wrote:
>
>
> I have an Acom 2000A with the factory extra cooling fan. I have always
> run extra fans on the tube exhausts of my amps but have not done so with
> the 2000. Anyone see a problem of running a couple of muffins on top of
> the tube exhausts?
>
> --
> Tnx es 73
> Richard W7ZR
> www.w7zr.com <http://www.w7zr.com/>
>
> */Be joyful in hope, patient in affliction, faithful in prayer/*
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2242 / Virus Database: 3222/6232 - Release Date: 10/08/13
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3222/6232 - Release Date: 10/08/13

5611. RE: [acom-list] Acom 2000A Extra Cooling

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 15:57:59 UTC
From: Ron Castro
Topic: 5609 Message: 5611

I don't think it will hurt, but it's probably not necessary. I run mine in RTTY contests at full power and have no problems with the heat getting anywhere near the max permitted. Ironically, the most heat dissipation in the 2000A's is on SSB since the idling current is so high. Even 1 Watt input will trigger the bias to become less negative and result in about 1,000 Watts DC on the plates. This weekend in the California QSO party, I saw the temp go up to about 60 C on long SSB runs, but that's well below the rated max.

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Richard Zalewski
Sent: October 8, 2013 8:11 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Extra Cooling

I have an Acom 2000A with the factory extra cooling fan. I have always run extra fans on the tube exhausts of my amps but have not done so with the 2000. Anyone see a problem of running a couple of muffins on top of the tube exhausts?

--
Tnx es 73
Richard W7ZR
www.w7zr.com <http://www.w7zr.com/>

Be joyful in hope, patient in affliction, faithful in prayer

5612. RE: [acom-list] Acom 2000A Extra Cooling

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 17:14:01 UTC
From: Tomi kallio
Topic: 5609 Message: 5612

Hi

Extra fan is really needed in my amp.

If I run RTTY pileups and call CQ long time, temp goes up to 90 C without extra fan.

With extra fan, temps go up to 70 - 80 C .

-Tomi /OH2BBT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: 08 October 2013 18:58
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Extra Cooling

I don't think it will hurt, but it's probably not necessary. I run mine in RTTY contests at full power and have no problems with the heat getting anywhere near the max permitted. Ironically, the most heat dissipation in the 2000A's is on SSB since the idling current is so high. Even 1 Watt input will trigger the bias to become less negative and result in about 1,000 Watts DC on the plates. This weekend in the California QSO party, I saw the temp go up to about 60 C on long SSB runs, but that's well below the rated max.

Ron Castro

N6IE

www.N6IE.com <http://www.n6ie.com/>

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club< /p>

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Richard Zalewski
Sent: October 8, 2013 8:11 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Extra Cooling

I have an Acom 2000A with the factory extra cooling fan. I have always run extra fans on the tube exhausts of my amps but have not done so with the 2000. Anyone see a problem of running a couple of muffins on top of the tube exhausts?

--
Tnx es 73
Richard W7ZR
www.w7zr.com <http://www.w7zr.com/>

Be joyful in hope, patient in affliction, faithful in prayer

5613. Re: [acom-list] Acom 2000A Extra Cooling

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 18:45:31 UTC
From: UT1IA Vladimir
Topic: 5609 Message: 5613

Hi,

It is also cooling HV transformer. It is very helpful in RTTY mode.

73 Vladimir (Bob) UT1IA
http://www.qsl.net/ut1ia

From: Tomi kallio
Sent: Tuesday, October 08, 2013 5:14 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Extra Cooling

Hi

Extra fan is really needed in my amp.

If I run RTTY pileups and call CQ long time, temp goes up to 90 C without extra fan.

With extra fan, temps go up to 70 – 80 C .

-Tomi /OH2BBT

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: 08 October 2013 18:58
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000A Extra Cooling

I don’t think it will hurt, but it’s probably not necessary. I run mine in RTTY contests at full power and have no problems with the heat getting anywhere near the max permitted. Ironically, the most heat dissipation in the 2000A’s is on SSB since the idling current is so high. Even 1 Watt input will trigger the bias to become less negative and result in about 1,000 Watts DC on the plates. This weekend in the California QSO party, I saw the temp go up to about 60 C on long SSB runs, but that’s well below the rated max.

Ron Castro

N6IE

www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club< /p>

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Richard Zalewski
Sent: October 8, 2013 8:11 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Extra Cooling

I have an Acom 2000A with the factory extra cooling fan. I have always run extra fans on the tube exhausts of my amps but have not done so with the 2000. Anyone see a problem of running a couple of muffins on top of the tube exhausts?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

5614. Re: [acom-list] Acom 2000A Extra Cooling

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-08 19:02:56 UTC
From: Fernando EC1CT
Topic: 5609 Message: 5614

I do that way using an extra fan behind the tube´s chimeneys sucking the hot air out and another one behind the extra cooling fan blowing fresh air into it. My amp is inside a wood cabinet (see my pictures on qrs.com) and the top shelf was a bit warm till I installed those fans. So far so good and hardly ever see 50 degrees (Celsius) on my RCU.
73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: Richard Zalewski
Sent: Tuesday, October 08, 2013 5:11 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000A Extra Cooling

I have an Acom 2000A with the factory extra cooling fan. I have always run extra fans on the tube exhausts of my amps but have not done so with the 2000. Anyone see a problem of running a couple of muffins on top of the tube exhausts?

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2014.0.4142 / Base de datos de virus: 3604/6729 - Fecha de publicación: 10/07/13

5615. RE: 2000A HV VOLTAGE TOO LOW AT POWER ON:0.00kV

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-11 22:44:56 UTC
From: <dick.w7zr@...>
Topic: 3620 Message: 5615

Did you get your amp going? I have had same problem. Replaced the HV diodes but now it appears I have a short in the secondary of the HV transformer.

---In acom-list@yahoogroups.com, <alsopb@...> wrote:

Hi Sam,

I noticed that and had ACOM send me the replacement resistors. I never installed them. As luck would have it I have the three resistors.

Should I send them to you?

73 de Brian/K3KO

5616. Heater Current Too High and 12v Too High

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-12 17:45:16 UTC
From: Jim Idelson
Topic: 5616 Message: 5616

High everyone,

I have two Acom 2000A amps that have not been used for a couple of years. Just powered both of them up.

* Amp #1
o Initial startup cycle failed with Heater Current Too High
o Second and later startup cycles are failing with 12V Too High
* Amp #2
o Always fails fairly early in the startup cycle with Heater Current Too High

I saw the recommendation that we check line voltage - I will check that now. I am plugging into the same 240vac outlet as always.

Any other thoughts?

--
73 de Jim K1IR

5617. Acom 100 fault

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-13 20:59:38 UTC
From: <gordon.paterson@...>
Topic: 5617 Message: 5617

Wondering if anyone can advise please.

My Acom has developed an intermittent fault

1A TR6B 000000 000100 1bb198 7720DC D77FC1 2A SB2B 000000 000000 2BB198 0720DC D77FF7

3A TR6B 000000 070100 1bb198 7720DC D77FC6

The fault codes listed which are all generated usually while powered on and offline and when I move the Band switch. It doesn't happen every time and the amp works correctly once it is on the appropriate band. It doesn't usually happen if I move the band switch while it is still online but I have a habit of putting it offline before switching bands and resetting tune and load.

Reading from the manual I see this info regarding the two different fault codes

TR6 - antenna relay tests made during Rx (Operate mode)
B - output relay closed (ORC, logic)

SB2 - tests made during Stand-By, after the warm-up period;
B - output relay closed (ORC, logic)

Both of the faults point to Output relay closed (ORC logic) according to the manual. So any advice on what may be required please?

To be clear, the amplifier then works flawlessly for hours and seems to have no issue as long as I don't have to change band. Worse case scenario currently is that I need to hit the on/off after a reset and it will start up again in 10 seconds if I do it immediately.

73

Gordon
MM0GPZ

5618. FS - ACOM 2SI

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-14 17:59:35 UTC
From: Henry Ingwersen
Topic: 5618 Message: 5618

For sale – ACOM 2SI Automatic XCVR Commutator. A tx/rx commutator which allows two transceivers to use a single antenna or power amplifier. It guards one transceiver's rx input, while the other transmits. It allows simultaneous reception, but prevents simultaneous transmission. New. Manual included. $195.00 plus postage (anywhere).

Henry, KT1J

kt1j@...

5619. Time to clean your air filter

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-17 13:50:22 UTC
From: <martins160@...>
Topic: 5619 Message: 5619

After you reset your clocks for daylight savings time
pull the Acom 2000A filter and clean it
your amplifier will appreciate it

Martin ka7gkn

5620. Acom 1000 tube replace info

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-19 06:44:06 UTC
From: paim
Topic: 5620 Message: 5620

hello
is any one can tell me the why to change the tube GU74B i know about the 24 hur worming ,
but what about the Bias where i need to adjust it and what power
is any have this info ?

vy 73
E.P g0uut

5621. Re: [acom-list] Acom 1000 tube replace info

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-19 10:18:16 UTC
From: Brian Alsop
Topic: 5620 Message: 5621

E.P.

Hope this helps.

http://lists.contesting.com/_amps/2007-04/msg00221.html
>
73 de Brian/K3KO
>
> hello
> is any one can tell me the why to change the tube GU74B i know about the
> 24 hur worming , but what about the Bias where i need to adjust it and
> what power
> is any have this info ?
> */vy 73 /*
> */E.P g0uut /*
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3222/6264 - Release Date: 10/19/13

5622. Re: [acom-list] Acom 1000 tube replace info

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-19 11:40:45 UTC
From: paim
Topic: 5620 Message: 5622

thank you Brian great help

vy 73
E.P g0uut

_____
From: Brian Alsop <alsopb@nc.rr.com>
To: acom-list@yahoogroups.com
Sent: Saturday, 19 October 2013, 11:18
Subject: Re: [acom-list] Acom 1000 tube replace info

E.P.

Hope this helps.

http://lists.contesting.com/_amps/2007-04/msg00221.html
>
73 de Brian/K3KO
>
> hello
> is any one can tell me the why to change the tube GU74B i know about the
> 24 hur worming , but what about the Bias where i need to adjust it and
> what power
> is any have this info ?
> */vy 73 /*
> */E.P g0uut /*
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2242 / Virus Database: 3222/6264 - Release Date: 10/19/13

5623. External Fan type

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-21 09:31:18 UTC
From: <barry.n1eu@...>
Topic: 5623 Message: 5623

The external fan install doc in the files section suggests using a 24VDC fan 119mm X 119mm

I would appreciate recommendations of specific fans (mfr and model/part numbers) that work well and are VERY quiet.

Thanks & 73,
Barry N1EU

5624. RE: External Fan type

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-21 09:37:02 UTC
From: <barry.n1eu@...>
Topic: 5623 Message: 5624

Can anyone comment on the suitability of the EBM Pabst 4414FL fan? It's shown at http://www.mouser.com/ProductDetail/ebm-papst/4414FL/?qs=sGAEpiMZZMtmglTKXDHoWrjCYA3%252bSdmF4KAJDy0L35I%3d http://www.mouser.com/ProductDetail/ebm-papst/4414FL/?qs=sGAEpiMZZMtmglTKXDHoWrjCYA3%252bSdmF4KAJDy0L35I%3d

Thanks & 73,
Barry N1EU

---In acom-list@yahoogroups.com, <barry.n1eu@...> wrote:

The external fan install doc in the files section suggests using a 24VDC fan 119mm X 119mm

I would appreciate recommendations of specific fans (mfr and model/part numbers) that work well and are VERY quiet.

Thanks & 73,
Barry N1EU

5625. RE: [acom-list] External Fan type

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-21 11:19:01 UTC
From: Máximo EA1DDO_HK1H
Topic: 5623 Message: 5625

Hi Barry,

When I installed mine, I just went to my location´s electronic shop and I bought a good one, quiet, with ball bearings I guess, 24V, and it is working great, so far.
I need to say that it only turns on when temperature is over 80 or 85 degrees celsious. Only happens during heavy contest, digitals, etc.

So, don´t spend too much time thinking about it, just buy a good fan, install it and enjoy...

73, Máximo - EA1DDO

To: acom-list@yahoogroups.com
From: barry.n1eu@...
Date: Mon, 21 Oct 2013 02:31:18 -0700
Subject: [acom-list] External Fan type

The external fan install doc in the files section suggests using a 24VDC fan 119mm X 119mm

I would appreciate recommendations of specific fans (mfr and model/part numbers) that work well and are VERY quiet.

Thanks & 73,
Barry N1EU

5626. Re: [acom-list] RE: External Fan type

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-21 13:24:47 UTC
From: Mel Whitten
Topic: 5623 Message: 5626

years ago, and maybe still, Papst made a high quality/long life fan.
Mel

----- Original Message -----
From: barry.n1eu@...
To: acom-list@yahoogroups.com
Sent: Monday, October 21, 2013 4:37 AM
Subject: [acom-list] RE: External Fan type

Can anyone comment on the suitability of the EBM Pabst 4414FL fan? It's shown at http://www.mouser.com/ProductDetail/ebm-papst/4414FL/?qs=sGAEpiMZZMtmglTKXDHoWrjCYA3%252bSdmF4KAJDy0L35I%3d

Thanks & 73,

Barry N1EU

---In acom-list@yahoogroups.com, <barry.n1eu@...> wrote:

The external fan install doc in the files section suggests using a 24VDC fan 119mm X 119mm

I would appreciate recommendations of specific fans (mfr and model/part numbers) that work well and are VERY quiet.

Thanks & 73,

Barry N1EU

5627. Re: External Fan type

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-21 19:11:04 UTC
From: Jay Terleski
Topic: 5623 Message: 5627

Pabst fans, are great for the 2000 and 1000 amps.
Jay

--
Jay Terleski
Array Solutions
214 954 7140

5628. Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 07:36:43 UTC
From: ON4VP
Topic: 5628 Message: 5628

Hello group,

I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.
I know it does it quick when sensing RF but the serial connection is also there.

I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.

Any suggestions.
I'm using logger32 and it supports Alpha 87a but no Acom :-(

73 Phil

5629. RE: [acom-list] Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 08:13:43 UTC
From: Bob Naumann
Topic: 5628 Message: 5629

This function is provided by the new design RCU.

You can replace / upgrade the original RCU on any 2000A to make it follow your radio.

Bob W5OV

Array Solutions

USA / North America Acom Dealer

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ON4VP
Sent: Saturday, October 26, 2013 2:37 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000a auto band change

Hello group,

I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.

I know it does it quick when sensing RF but the serial connection is also there.

I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.

Any suggestions.

I'm using logger32 and it supports Alpha 87a but no Acom :-(

73 Phil

5630. Re: [acom-list] Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 09:42:16 UTC
From: Barry N1EU
Topic: 5628 Message: 5630

TRX-Manager has a module specifically supporting Acom automatic band changing and antenna switching when using the Acom antenna switch.

73, Barry N1EU

On Sat, Oct 26, 2013 at 7:36 AM, ON4VP <on4vp@...> wrote:

> **
>
>
> Hello group,
>
> I was wondering if some software is on the market to make the Acom 2000a
> follow my radio when qsy to other band.
> I know it does it quick when sensing RF but the serial connection is also
> there.
>
> I've been using Acom Director, a nice graphical interface but it lacks a
> CAT connection to the radio.
>
> Any suggestions.
> I'm using logger32 and it supports Alpha 87a but no Acom :-(
>
> 73 Phil
>
>
>

5631. RE: [acom-list] Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 10:05:30 UTC
From: Máximo EA1DDO_HK1H
Topic: 5628 Message: 5631

Hi Phil,

I think Acom has a software/driver for a computer to "listen" the band switching from the radio and manage the Acom amplifier and remote Acom antenna switch;

http://www.acom-bg.com/antsw2000S.html

The idea is to connect radio and Acom to computer, using his RS232 ports, then a simple driver program is listening the radio then switching the Acom, even in RX. This applies to the Acom 2000S remote antenna switch as well.

73, Máximo - EA1DDO

To: acom-list@yahoogroups.com
From: on4vp@...
Date: Sat, 26 Oct 2013 09:36:43 +0200
Subject: [acom-list] Acom 2000a auto band change

Hello group,
I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.I know it does it quick when sensing RF but the serial connection is also there.

I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.
Any suggestions.I'm using logger32 and it supports Alpha 87a but no Acom :-(

73 Phil

5632. RE: Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 11:20:26 UTC
From: <david_salomon@...>
Topic: 5628 Message: 5632

TRX-Manager has an add on program, TRX-Acom, that does this. But you must use TRX-Manager to control the rig for it to work.

---In acom-list@yahoogroups.com, <on4vp@...> wrote:

Hello group,

I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.
I know it does it quick when sensing RF but the serial connection is also there.

I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.

Any suggestions.
I'm using logger32 and it supports Alpha 87a but no Acom :-(

73 Phil

5633. FOR SALE: LIKE NEW ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 14:51:19 UTC
From: <harveywizbang@...>
Topic: 5633 Message: 5633

I am origional owner. NO ISSUES. Very little use as I went computer controlled with Alpha and SPE. Factory box. Not a fire sale but you can save $$$ and of course shipping and tax. $2850 shipped Conus. Sorry no foreign sales including Washington DC which aparently is on another planet from the rest of us!

NOTE to Scammers: don't bother me. I developed a special virus that I will send to your computer.

Others pse contact me off list at my e-mail address listed on QRZ.com. TNX K3PD

5634. Re: [acom-list] Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 16:54:55 UTC
From: Ted McDonald
Topic: 5628 Message: 5634

I have no problem with Logger 32 following band changes. My Acom 2000a is about a year old, connected to a IC 7800. In band and band changes of frequency are instantly reflected in Logger 32. Sometimes the 7800 will send a noise spike (or something) that causes the 2000a to change frequency, but the 2000a senses the incorrect frequency and changes back to where it was immediately. I know the 7800 is causing this because when I disconnect the CIV cable at the rear of the 7800, the false frequency changes stop.

Ted K7OM

On Saturday, October 26, 2013 3:36 AM, ON4VP <on4vp@...> wrote:

Hello group,

I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.
I know it does it quick when sensing RF but the serial connection is also there.

I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.

Any suggestions.
I'm using logger32 and it supports Alpha 87a but no Acom :-(

73 Phil

5635. Re: [acom-list] Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-26 17:36:58 UTC
From: Bob Severson
Topic: 5628 Message: 5635

I guess having the amp track on QSY might be nice, but the 1 sec auto band change in the 2000A is jus fine for me. My logging program follows my 7600 just fine and the 2000A tags along ONE SECOND after I transmit.

Really not a BIG DEAL!

Sent from my iPhone

On Oct 26, 2013, at 2:36 AM, ON4VP <on4vp@...> wrote:

> Hello group,
>
> I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.
> I know it does it quick when sensing RF but the serial connection is also there.
>
> I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.
>
> Any suggestions.
> I'm using logger32 and it supports Alpha 87a but no Acom :-(
>
> 73 Phil
>

5636. ACOM Amps on AM?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-28 12:40:14 UTC
From: daedalusnj
Topic: 5636 Message: 5636

I'm looking at possibly buying an ACOM 1500 rated 1.5KW SSB and 1.2KW RTTY (and other). Does "other" include AM? Has anyone one here actually used a 1000 or 1500 on AM? If so, what has been your experience?

I'm running an early 1011 now (basically a 1010 in 1011 skins) and getting the urge to upgrade. The 1011 is good for a solid 600W out on SSB and I am happy with it but considering going full bore!

Second question: I can call Array Solutions but curious if anyone knows if they accept trade-ins.

Thanks & 73
Jack
WA2OLZ

5637. RE: [acom-list] ACOM Amps on AM?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-28 12:55:54 UTC
From: Bob Naumann
Topic: 5636 Message: 5637

Yes - since AM is a continuous carrier mode, you should limit your peak output to about 1200w for long transmissions.

Also, if you're running a classic AM transmitter, your carrier power (no modulation) will be only about 25% (300w) of your peak power (1200w) at 100% modulation.

de W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of daedalusnj
Sent: Monday, October 28, 2013 7:40 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM Amps on AM?

I'm looking at possibly buying an ACOM 1500 rated 1.5KW SSB and 1.2KW RTTY (and other). Does "other" include AM? Has anyone one here actually used a 1000 or 1500 on AM? If so, what has been your experience?

I'm running an early 1011 now (basically a 1010 in 1011 skins) and getting the urge to upgrade. The 1011 is good for a solid 600W out on SSB and I am happy with it but considering going full bore!

Second question: I can call Array Solutions but curious if anyone knows if they accept trade-ins.

Thanks & 73
Jack
WA2OLZ

Yahoo! Groups Links

5638. Re: ACOM Amps on AM?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-30 00:29:14 UTC
From: daedalusnj
Topic: 5636 Message: 5638

I assume I set the RTTY switch to "ON"

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:
>
> Yes - since AM is a continuous carrier mode, you should limit your peak
> output to about 1200w for long transmissions.
>
> Also, if you're running a classic AM transmitter, your carrier power (no
> modulation) will be only about 25% (300w) of your peak power (1200w) at 100%
> modulation.
>
>
> de W5OV
>
> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf
> Of daedalusnj
> Sent: Monday, October 28, 2013 7:40 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] ACOM Amps on AM?
>
> I'm looking at possibly buying an ACOM 1500 rated 1.5KW SSB and 1.2KW RTTY
> (and other). Does "other" include AM? Has anyone one here actually used a
> 1000 or 1500 on AM? If so, what has been your experience?
>
> I'm running an early 1011 now (basically a 1010 in 1011 skins) and getting
> the urge to upgrade. The 1011 is good for a solid 600W out on SSB and I am
> happy with it but considering going full bore!
>
> Second question: I can call Array Solutions but curious if anyone knows if
> they accept trade-ins.
>
> Thanks & 73
> Jack
> WA2OLZ
>
>
>
> ------------------------------------
>
> Yahoo! Groups Links
>

5639. RE: [acom-list] Re: ACOM Amps on AM?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-30 09:15:43 UTC
From: Kees - pa7two
Topic: 5636 Message: 5639

Yes and the power switch to OFF

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: jvm@d8alus.net
Date: Wed, 30 Oct 2013 00:29:14 +0000
Subject: [acom-list] Re: ACOM Amps on AM?

I assume I set the RTTY switch to "ON"

--- In acom-list@yahoogroups.com, "Bob Naumann" <W5OV@...> wrote:

>

> Yes - since AM is a continuous carrier mode, you should limit your peak

> output to about 1200w for long transmissions.

>

> Also, if you're running a classic AM transmitter, your carrier power (no

> modulation) will be only about 25% (300w) of your peak power (1200w) at 100%

> modulation.

>

>

> de W5OV

>

> -----Original Message-----

> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf

> Of daedalusnj

> Sent: Monday, October 28, 2013 7:40 AM

> To: acom-list@yahoogroups.com

> Subject: [acom-list] ACOM Amps on AM?

>

> I'm looking at possibly buying an ACOM 1500 rated 1.5KW SSB and 1.2KW RTTY

> (and other). Does "other" include AM? Has anyone one here actually used a

> 1000 or 1500 on AM? If so, what has been your experience?

>

> I'm running an early 1011 now (basically a 1010 in 1011 skins) and getting

> the urge to upgrade. The 1011 is good for a solid 600W out on SSB and I am

> happy with it but considering going full bore!

>

> Second question: I can call Array Solutions but curious if anyone knows if

> they accept trade-ins.

>

> Thanks & 73

> Jack

> WA2OLZ

>

>

>

> ------------------------------------

>

> Yahoo! Groups Links

>

5640. "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-31 20:33:39 UTC
From: Barry N1EU
Topic: 5640 Message: 5640

I'm hoping somebody could give some guidance on the 24VDC connection when adding the "external" fan to the rear panel of the 2000A. There's a small pcb protruding from the shelf under where the fan goes. There are two drilled solder pads labelled EXT FAN DC + and -

I assume this is where to wire the fan. But I measure zero ohms resistance on both pads to chassis ground. Is this the correct place to wire the fan? Perhaps when the amp goes up in temperature a relay kicks in and connects the pads to dc?

Thanks & 73,
Barry N1EU

5641. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-31 20:36:25 UTC
From: W5OV@...
Topic: 5640 Message: 5641

That is precisely correct.

Bob W5OV
Array Solutions

> I'm hoping somebody could give some guidance on the 24VDC connection when
> adding the "external" fan to the rear panel of the 2000A. There's a small
> pcb protruding from the shelf under where the fan goes. There are two
> drilled solder pads labelled EXT FAN DC + and -
>
> I assume this is where to wire the fan. But I measure zero ohms
> resistance
> on both pads to chassis ground. Is this the correct place to wire the
> fan? Perhaps when the amp goes up in temperature a relay kicks in and
> connects the pads to dc?
>
> Thanks & 73,
> Barry N1EU
>

5642. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-10-31 20:38:58 UTC
From: Barry N1EU
Topic: 5640 Message: 5642

Thanks so much Bob!!!

73, Barry N1EU

On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@...> wrote:

> **
>
>
> That is precisely correct.
>
> Bob W5OV
> Array Solutions
>
> > I'm hoping somebody could give some guidance on the 24VDC connection when
> > adding the "external" fan to the rear panel of the 2000A. There's a small
> > pcb protruding from the shelf under where the fan goes. There are two
> > drilled solder pads labelled EXT FAN DC + and -
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> > I assume this is where to wire the fan. But I measure zero ohms
> > resistance
> > on both pads to chassis ground. Is this the correct place to wire the
> > fan? Perhaps when the amp goes up in temperature a relay kicks in and
> > connects the pads to dc?
> >
> > Thanks & 73,
> > Barry N1EU
> >
>
>
>

5643. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 20:26:43 UTC
From: Barry N1EU
Topic: 5640 Message: 5643

Unfortunately, I'm not seeing the external fan kick on, even with TEMP-R
and TEMP-F indicating 85 deg C. Before opening it back up and poking
around, can anybody tell me if there is a convenient source of unswitched
24VDC available that I can wire the fan to? I don't mind letting this
quiet fan run all the time.

Thanks & 73,
Barry N1EU

On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@...> wrote:

> **
>
>
> That is precisely correct.
>
> Bob W5OV
> Array Solutions
>
> > I'm hoping somebody could give some guidance on the 24VDC connection when
> > adding the "external" fan to the rear panel of the 2000A. There's a small
> > pcb protruding from the shelf under where the fan goes. There are two
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> > resistance
> > on both pads to chassis ground. Is this the correct place to wire the
> > fan? Perhaps when the amp goes up in temperature a relay kicks in and
> > connects the pads to dc?
> >
> > Thanks & 73,
> > Barry N1EU
> >
>
>
>

5644. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 20:28:24 UTC
From: Barry N1EU
Topic: 5640 Message: 5644

QRX a sec - I forgot to install F7 ;-)

On Fri, Nov 1, 2013 at 8:26 PM, Barry N1EU <barry.n1eu@...> wrote:

> Unfortunately, I'm not seeing the external fan kick on, even with TEMP-R
> and TEMP-F indicating 85 deg C. Before opening it back up and poking
> around, can anybody tell me if there is a convenient source of unswitched
> 24VDC available that I can wire the fan to? I don't mind letting this
> quiet fan run all the time.
>
> Thanks & 73,
> Barry N1EU
>
>
> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@w5ov.com> wrote:
>
>> **
>>
>>
>> That is precisely correct.
>>
>> Bob W5OV
>> Array Solutions
>>
>> > I'm hoping somebody could give some guidance on the 24VDC connection
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>> > adding the "external" fan to the rear panel of the 2000A. There's a
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>> > pcb protruding from the shelf under where the fan goes. There are two
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>> > on both pads to chassis ground. Is this the correct place to wire the
>> > fan? Perhaps when the amp goes up in temperature a relay kicks in and
>> > connects the pads to dc?
>> >
>> > Thanks & 73,
>> > Barry N1EU
>> >
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>

5645. RE: Acom 2000a auto band change

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 20:33:50 UTC
From: <photo2000a@...>
Topic: 5628 Message: 5645

hi

Yes I am using a Mac, my software is Dogpark's MacLoggerDX . That talks to a Microham microkeyerII which is connected to my radio. The microkeyer has a extra serial port(ci-v) that will talk to the Acom's (w/new RCU) s port.

I made the acom serial cable as directed in the manual.

The new amp works really fantastic following the radio as I tune around the bands and is therefore always ready to go even before I tx.

The amp also can sense rf really quick so I wouldn't say you have to use that method, just something that suits my particular style and I can say both works really fantastic! wouldn't trade it for anything

---In acom-list@yahoogroups.com, <acom-list@yahoogroups.com> wrote:

Hello group,

I was wondering if some software is on the market to make the Acom 2000a follow my radio when qsy to other band.
I know it does it quick when sensing RF but the serial connection is also there.

I've been using Acom Director, a nice graphical interface but it lacks a CAT connection to the radio.

Any suggestions.
I'm using logger32 and it supports Alpha 87a but no Acom :-(

73 Phil

5646. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 21:13:27 UTC
From: Barry N1EU
Topic: 5640 Message: 5646

Fan still not coming on, even at 100 deg C. Again, can anybody tell me if there is a convenient source of unswitched 24VDC available that I can wire the fan to?

Thanks & 73,
Barry N1EU

On Fri, Nov 1, 2013 at 8:28 PM, Barry N1EU <barry.n1eu@...> wrote:

> QRX a sec - I forgot to install F7 ;-)
>
>
>
> On Fri, Nov 1, 2013 at 8:26 PM, Barry N1EU <barry.n1eu@gmail.com> wrote:
>
>> Unfortunately, I'm not seeing the external fan kick on, even with TEMP-R
>> and TEMP-F indicating 85 deg C. Before opening it back up and poking
>> around, can anybody tell me if there is a convenient source of unswitched
>> 24VDC available that I can wire the fan to? I don't mind letting this
>> quiet fan run all the time.
>>
>> Thanks & 73,
>> Barry N1EU
>>
>>
>> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@...> wrote:
>>
>>> **
>>>
>>>
>>> That is precisely correct.
>>>
>>> Bob W5OV
>>> Array Solutions
>>>
>>> > I'm hoping somebody could give some guidance on the 24VDC connection
>>> when
>>> > adding the "external" fan to the rear panel of the 2000A. There's a
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>>> > Thanks & 73,
>>> > Barry N1EU
>>> >
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>

5647. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 21:33:01 UTC
From: Brenton Meadows
Topic: 5640 Message: 5647

Hi Barry, I would be interested in your findings when you have the external fan fitted on the 2000A. I have a client asking me if it is a worthwhile addition and to be honest, I have been running Acom 1000 and 2000A units for years quite successfully with no external fan but not to say that the fan is not a worthwhile project. I ragchew with my amp a fair bit and even with my excessive talking on air, the amp just cranks along without fail. That being said, we are the Dealer for acom here in Australia and have been for many years so we are biased haha..As for the connection points, I agree that you seem to have the fan connected correctly to the right terminals so it may be a question of temperature sensing that may need to be investigated. I love the Acom amps, even if we were not professionally linked to Bulgaria, I would run these amps without question. I love the support we receive from Bulgaria, no question is considered stupid and they have some pretty bright people on board thats for sure. If you get into trouble, email Stan at Acom and I am sure he will send you back some quick thoughts as well. Jay and Bob at Array Solutions are also incredibly helpful so just another local option for you as well.
cheers
Brenton
VK3CM

On Sat, Nov 2, 2013 at 8:13 AM, Barry N1EU <barry.n1eu@...> wrote:

> **
>
>
> Fan still not coming on, even at 100 deg C. Again, can anybody tell me if
> there is a convenient source of unswitched 24VDC available that I can wire
> the fan to?
>
> Thanks & 73,
> Barry N1EU
>
>
> On Fri, Nov 1, 2013 at 8:28 PM, Barry N1EU <barry.n1eu@...> wrote:
>
>> QRX a sec - I forgot to install F7 ;-)
>>
>>
>>
>> On Fri, Nov 1, 2013 at 8:26 PM, Barry N1EU <barry.n1eu@...> wrote:
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>>> Unfortunately, I'm not seeing the external fan kick on, even with TEMP-R
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>>> around, can anybody tell me if there is a convenient source of unswitched

>>> 24VDC available that I can wire the fan to? I don't mind letting this
>>> quiet fan run all the time.
>>>
>>> Thanks & 73,
>>> Barry N1EU
>>>
>>>
>>> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@w5ov.com> wrote:
>>>
>>>> **
>>>>
>>>>
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>>>> Bob W5OV
>>>> Array Solutions
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>>>> > on both pads to chassis ground. Is this the correct place to wire the
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>>>> > connects the pads to dc?
>>>> >
>>>> > Thanks & 73,
>>>> > Barry N1EU
>>>> >
>>>>
>>>>
>>>
>>
>
>

--
Kind Regards

Brenton

Position and Navigation Systems Pty Ltd
Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@...

5648. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 21:58:21 UTC
From: Barry N1EU
Topic: 5640 Message: 5648

The issue for me is that this will be almost impossible to troubleshoot, because to get access to the fan electrical connections you have to pull the xfmr (and there goes your power). If someone can tell me of a constant source of 24VDC, then I'll wire it to that and be done with it. Otherwise, I'm going to install a 120VAC fan and just plug it in externally.

I already pulled the cover under the tube deck and double checked that the fan circuit jumper is in the 24V position and not the 12V position.

73, Barry N1EU

On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows <brenton@...>wrote:

> **
>
>
> Hi Barry, I would be interested in your findings when you have the
> external fan fitted on the 2000A. I have a client asking me if it is a
> worthwhile addition and to be honest, I have been running Acom 1000 and
> 2000A units for years quite successfully with no external fan but not to
> say that the fan is not a worthwhile project. I ragchew with my amp a fair
> bit and even with my excessive talking on air, the amp just cranks along
> without fail. That being said, we are the Dealer for acom here in
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> connection points, I agree that you seem to have the fan connected
> correctly to the right terminals so it may be a question of temperature
> sensing that may need to be investigated. I love the Acom amps, even if we
> were not professionally linked to Bulgaria, I would run these amps without
> question. I love the support we receive from Bulgaria, no question is
> considered stupid and they have some pretty bright people on board thats
> for sure. If you get into trouble, email Stan at Acom and I am sure he
> will send you back some quick thoughts as well. Jay and Bob at Array
> Solutions are also incredibly helpful so just another local option for you
> as well.
> cheers
> Brenton
> VK3CM
>
>
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> On Sat, Nov 2, 2013 at 8:13 AM, Barry N1EU <barry.n1eu@...> wrote:
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>> Fan still not coming on, even at 100 deg C. Again, can anybody tell me

>> if there is a convenient source of unswitched 24VDC available that I can
>> wire the fan to?
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>> Thanks & 73,
>> Barry N1EU
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>>>> poking around, can anybody tell me if there is a convenient source of
>>>> unswitched 24VDC available that I can wire the fan to? I don't mind
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>>>> Thanks & 73,
>>>> Barry N1EU
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>>>> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@...> wrote:
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>>>>> That is precisely correct.
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> --
> Kind Regards
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> Brenton
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>
> Position and Navigation Systems Pty Ltd
> Brenton Meadows
> Managing Director
> Mobile 0418 844-700
> Email brenton@...
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5649. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 22:31:38 UTC
From: W5OV@...
Topic: 5640 Message: 5649

Barry,

The fan only comes on when the amp is too hot.

I installed an external fan on mine, and I have only had it run once.

It was in the summer, without air conditioning on, and it was in the 90's
in the shack - and I was running RTTY calling long CQ's.

When it came on, it surprised the heck out of me.

Why are you installing this fan? Is your amplifier overheating?

-Bob

> The issue for me is that this will be almost impossible to troubleshoot,
> because to get access to the fan electrical connections you have to pull
> the xfmr (and there goes your power). If someone can tell me of a
> constant
> source of 24VDC, then I'll wire it to that and be done with it.
> Otherwise,
> I'm going to install a 120VAC fan and just plug it in externally.
>
> I already pulled the cover under the tube deck and double checked that the
> fan circuit jumper is in the 24V position and not the 12V position.
>
> 73, Barry N1EU
>
>
> On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows
> <brenton@...>wrote:
>
>> **
>>
>>
>> Hi Barry, I would be interested in your findings when you have the
>> external fan fitted on the 2000A. I have a client asking me if it is a
>> worthwhile addition and to be honest, I have been running Acom 1000 and
>> 2000A units for years quite successfully with no external fan but not to
>> say that the fan is not a worthwhile project. I ragchew with my amp a
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>> bit and even with my excessive talking on air, the amp just cranks along
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>> Australia and have been for many years so we are biased haha..As for the
>> connection points, I agree that you seem to have the fan connected
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>> sensing that may need to be investigated. I love the Acom amps, even if

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>> were not professionally linked to Bulgaria, I would run these amps
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>> question. I love the support we receive from Bulgaria, no question is
>> considered stupid and they have some pretty bright people on board thats
>> for sure. If you get into trouble, email Stan at Acom and I am sure he
>> will send you back some quick thoughts as well. Jay and Bob at Array
>> Solutions are also incredibly helpful so just another local option for
>> you
>> as well.
>> cheers
>> Brenton
>> VK3CM
>>
>>
>>
>> On Sat, Nov 2, 2013 at 8:13 AM, Barry N1EU <barry.n1eu@...> wrote:
>>
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>>> Fan still not coming on, even at 100 deg C. Again, can anybody tell me
>>> if there is a convenient source of unswitched 24VDC available that I
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>>> wire the fan to?
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>>> Thanks & 73,
>>> Barry N1EU
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>>> On Fri, Nov 1, 2013 at 8:28 PM, Barry N1EU <barry.n1eu@...>
>>> wrote:
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>>>> QRX a sec - I forgot to install F7 ;-)
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>>>> On Fri, Nov 1, 2013 at 8:26 PM, Barry N1EU <barry.n1eu@...>
>>>> wrote:
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>>>>> TEMP-R and TEMP-F indicating 85 deg C. Before opening it back up and
>>>>> poking around, can anybody tell me if there is a convenient source of
>>>>> unswitched 24VDC available that I can wire the fan to? I don't mind
>>>>> letting this quiet fan run all the time.
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>>>>> Thanks & 73,
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5650. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-01 23:11:17 UTC
From: Unit365
Topic: 5640 Message: 5650

hi

My 12v extra fan installed by myself, a computer fan, blow all the time, slow but blow never stop.
I heard only one time blowing fans of this amp very strong around 90 deg if i remember.

As i never use this amp to full power and not long time and long QSO or numerics modes, fans never blow strong.

73
F4FQH
Olivier

From: W5OV@...
Sent: Friday, November 01, 2013 11:31 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "External" fan install question (2000A)

Barry,

The fan only comes on when the amp is too hot.

I installed an external fan on mine, and I have only had it run once.

It was in the summer, without air conditioning on, and it was in the 90's
in the shack - and I was running RTTY calling long CQ's.

When it came on, it surprised the heck out of me.

Why are you installing this fan? Is your amplifier overheating?

-Bob

> The issue for me is that this will be almost impossible to troubleshoot,
> because to get access to the fan electrical connections you have to pull
> the xfmr (and there goes your power). If someone can tell me of a
> constant
> source of 24VDC, then I'll wire it to that and be done with it.
> Otherwise,
> I'm going to install a 120VAC fan and just plug it in externally.
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> I already pulled the cover under the tube deck and double checked that the
> fan circuit jumper is in the 24V position and not the 12V position.
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> 73, Barry N1EU
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> On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows

> <brenton@...>wrote:
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>> external fan fitted on the 2000A. I have a client asking me if it is a
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5651. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-02 00:45:42 UTC
From: Barry N1EU
Topic: 5640 Message: 5651

Bob, I installed the fan in conjunction with installing the EBS bias mod.
I knew the amp would run hotter after the mod.

73,
Barry N1EU

On Fri, Nov 1, 2013 at 10:31 PM, <W5OV@...> wrote:

> **
>
>
> Barry,
>
> The fan only comes on when the amp is too hot.
>
> I installed an external fan on mine, and I have only had it run once.
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> > I already pulled the cover under the tube deck and double checked that
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> > On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows
> > <brenton@...>wrote:
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5652. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-02 00:50:23 UTC
From: Barry N1EU
Topic: 5640 Message: 5652

Bob, according to the install document from Bulgaria, the external dc fan runs all the time but runs faster above 90 deg C. ???

"The external fan is running all the time while the amplifier is ON. . .

Using DC types is preferable since they are controlled at two speed levels, depending on the exhaust air temperature. Running speed is accelerated above 90deg.C (194F) and is automatically slowed down when the cooling air temperature drops below 80deg.C (176F)."

Barry N1EU

On Fri, Nov 1, 2013 at 10:31 PM, <W5OV@w5ov.com> wrote:

> **
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> Barry,
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> The fan only comes on when the amp is too hot.
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> I installed an external fan on mine, and I have only had it run once.
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> Why are you installing this fan? Is your amplifier overheating?
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> -Bob
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5653. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-02 01:52:19 UTC
From: Michael Raskin
Topic: 5640 Message: 5653

The external fan runs all the time. If it didn't it would be a partial obstruction to air flow. It barely makes any noise – very quiet. My fan was installed was installed at Array Solutions when I bought the 2000A. I have never seen it go to "high speed" ever.

Mike, W4UM

From: Barry N1EU
Sent: Friday, November 01, 2013 8:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "External" fan install question (2000A)

Bob, according to the install document from Bulgaria, the external dc fan runs all the time but runs faster above 90 deg C. ???

"The external fan is running all the time while the amplifier is ON. . .

Using DC types is preferable since they are controlled at two speed levels, depending on the exhaust air temperature. Running speed is accelerated above 90deg.C (194F) and is automatically slowed down when the cooling air temperature drops below 80deg.C (176F)."

Barry N1EU

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>>> Fan still not coming on, even at 100 deg C. Again, can anybody tell me
>>> if there is a convenient source of unswitched 24VDC available that I
>>> can
>>> wire the fan to?

>>>
>>> Thanks & 73,
>>> Barry N1EU
>>>
>>>
>>> On Fri, Nov 1, 2013 at 8:28 PM, Barry N1EU <barry.n1eu@...>
>>> wrote:
>>>
>>>> QRX a sec - I forgot to install F7 ;-)
>>>>
>>>>
>>>>
>>>> On Fri, Nov 1, 2013 at 8:26 PM, Barry N1EU <barry.n1eu@...>
>>>> wrote:
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>>>>> Unfortunately, I'm not seeing the external fan kick on, even with
>>>>> TEMP-R and TEMP-F indicating 85 deg C. Before opening it back up and
>>>>> poking around, can anybody tell me if there is a convenient source of
>>>>> unswitched 24VDC available that I can wire the fan to? I don't mind
>>>>> letting this quiet fan run all the time.
>>>>>
>>>>> Thanks & 73,
>>>>> Barry N1EU
>>>>>
>>>>>
>>>>> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@...> wrote:
>>>>>

>>>>>> **

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>>>>>>
>>>>>> That is precisely correct.
>>>>>>
>>>>>> Bob W5OV
>>>>>> Array Solutions
>>>>>>
>>>>>> > I'm hoping somebody could give some guidance on the 24VDC
>>>>>> connection
>>>>>> when
>>>>>> > adding the "external" fan to the rear panel of the 2000A. There's
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>>>>>> >
>>>>>> > I assume this is where to wire the fan. But I measure zero ohms
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>>>>>> > on both pads to chassis ground. Is this the correct place to wire
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>>>>>> > fan? Perhaps when the amp goes up in temperature a relay kicks in
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>>>>>> > connects the pads to dc?
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>>>>>> > Thanks & 73,
>>>>>> > Barry N1EU
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>> --
>> Kind Regards
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>> Brenton
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>> Position and Navigation Systems Pty Ltd
>> Brenton Meadows
>> Managing Director
>> Mobile 0418 844-700
>> Email brenton@...
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>

5654. Acom Service

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-02 23:50:17 UTC
From: <la4wka@...>
Topic: 5654 Message: 5654

Hello Group.

I just had a failure on my 10 year old Acom -2000A.
Called the dealer and he told me to contact Acom in Bulgaria.
Came in contact with Val (LZ1VB)
I am totally surpriced at what a high level of service Acom still provide for a unit this age!
He guided me trough a set of diagnostics and found the failure trough email.
Was able to fix the problem myself once found, but again I am truly happy that Acom takes the time and treat customers like I have been.
Thank You Val!

Hugo / LA4WKA

5655. Re: [acom-list] Acom Service

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-03 00:22:51 UTC
From: Brenton Meadows
Topic: 5654 Message: 5655

Hi Hugo,

I can only completely agree, both Val and Stan and the team at Acom are just second to none. We are dealers for Acom here in Australia and these guys send information that makes our life so easy, especially when its rare for an Acom to go faulty generally. The break between repairs means that you never become entirely conversant with every facet of repair requirements but the truth is, with Acoms help, you can deal with everything on a case by case basis and be very successful every time. And I agree, even if you are not an dealer like ourselves, if you have a reasonable background in Electronics and specifically follow the precautions of Valve amplifiers and residual voltages, then it is a very easy amplifier to work around. * I cant stress enough though that lethal voltages are inside that great performing box so pulling the power and walking away for 30 mins is essential and saves any nasty issues.* I had one amp the other day that was so simple to fix only because of Val and Stans great tutorial and photos that assist you all the way to a successful completion. One 10 ohm 10 watt wire wound resistor, $1 part here in Australia, and all up and running. And the amp had been faultless since 2006. Not bad at all... I sometimes wish i could spend a month in Bulgaria with these guys, the knowledge that you would take on board would be incredible.

So a big thumbs up to Acom as well from Australia, these guys are fantastic.
Cheers
Brenton
VK3CM
North East Victoria
Australia

On Sun, Nov 3, 2013 at 10:50 AM, <la4wka@...> wrote:

>
>
> Hello Group.
>
>
>
> I just had a failure on my 10 year old Acom -2000A.
>
> Called the dealer and he told me to contact Acom in Bulgaria.
>
> Came in contact with Val (LZ1VB)
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> I am totally surpriced at what a high level of service Acom still provide

> for a unit this age!
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> He guided me trough a set of diagnostics and found the failure trough
> email.
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> Was able to fix the problem myself once found, but again I am truly happy
> that Acom takes the time and treat customers like I have been.
>
> Thank You Val!
>
>
>
> Hugo / LA4WKA
>
>
>

--
Kind Regards

Brenton

Position and Navigation Systems Pty Ltd
Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@...

5656. Re: [acom-list] Acom Service

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-03 11:07:17 UTC
From: IVAN
Topic: 5654 Message: 5656

Hi Hugo,
That is right, the Acom Team have a superB service, mine is from
2000/2001 year, and never never have any problem with the fantastic
customer service support.
Best regards to Val the best TECHNICIAN !!
73´s Ivan EA8YG // EE8YG

El 02/11/2013 23:50, la4wka@... escribió:
>
> Hello Group.
>
> I just had a failure on my 10 year old Acom -2000A.
>
> Called the dealer and he told me to contact Acom in Bulgaria.
>
> Came in contact with Val (LZ1VB)
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> I am totally surpriced at what a high level of service Acom still
> provide for a unit this age!
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> He guided me trough a set of diagnostics and found the failure trough
> email.
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> Was able to fix the problem myself once found, but again I am truly
> happy that Acom takes the time and treat customers like I have been.
>
> Thank You Val!
>
> Hugo / LA4WKA
>
>

5657. RE: [acom-list] Acom Service

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-06 16:24:42 UTC
From: Kees - pa7two
Topic: 5654 Message: 5657

Acom after-sale service rocks! PERIOD.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: ea8yg@...
Date: Sun, 3 Nov 2013 11:07:17 +0000
Subject: Re: [acom-list] Acom Service

Hi Hugo,

That is right, the Acom Team have a superB service, mine is from
2000/2001 year, and never never have any problem with the
fantastic customer service support.

Best regards to Val the best TECHNICIAN !!

73´s Ivan EA8YG // EE8YG

El 02/11/2013 23:50, la4wka@... escribió:

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Called the dealer and he told me to contact Acom in
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Came in contact with Val (LZ1VB)

I am totally surpriced at what a high level of
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He guided me trough a set of diagnostics and found the
failure trough email.

Was able to fix the problem myself once found, but again
I am truly happy that Acom takes the time and treat
customers like I have been.

Thank You Val!

Hugo / LA4WKA

5658. RE: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-07 11:46:25 UTC
From: Bob Naumann
Topic: 5640 Message: 5658

This depends on the “vintage” of your amplifier.

Originally, the fan only would run when the temperature would exceed a pre-set threshold.

Newer versions of the 2000A operate differently.

I will have to research when the change in design was made.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, November 01, 2013 7:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "External" fan install question (2000A)

Bob, according to the install document from Bulgaria, the external dc fan runs all the time but runs faster above 90 deg C. ???

"The external fan is running all the time while the amplifier is ON. . .

Using DC types is preferable since they are controlled at two speed levels, depending on the exhaust air temperature. Running speed is accelerated above 90deg.C (194F) and is automatically slowed down when the cooling air temperature drops below 80deg.C (176F)."

Barry N1EU

On Fri, Nov 1, 2013 at 10:31 PM, <W5OV@w5ov.com> wrote:

Barry,

The fan only comes on when the amp is too hot.

I installed an external fan on mine, and I have only had it run once.

It was in the summer, without air conditioning on, and it was in the 90's
in the shack - and I was running RTTY calling long CQ's.

When it came on, it surprised the heck out of me.

Why are you installing this fan? Is your amplifier overheating?

-Bob

> The issue for me is that this will be almost impossible to troubleshoot,
> because to get access to the fan electrical connections you have to pull
> the xfmr (and there goes your power). If someone can tell me of a
> constant
> source of 24VDC, then I'll wire it to that and be done with it.
> Otherwise,
> I'm going to install a 120VAC fan and just plug it in externally.
>

> I already pulled the cover under the tube deck and double checked that the
> fan circuit jumper is in the 24V position and not the 12V position.
>
> 73, Barry N1EU
>
>
> On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows
> <brenton@...>wrote:
>

>> **

>>
>>
>> Hi Barry, I would be interested in your findings when you have the
>> external fan fitted on the 2000A. I have a client asking me if it is a
>> worthwhile addition and to be honest, I have been running Acom 1000 and
>> 2000A units for years quite successfully with no external fan but not to
>> say that the fan is not a worthwhile project. I ragchew with my amp a
>> fair
>> bit and even with my excessive talking on air, the amp just cranks along
>> without fail. That being said, we are the Dealer for acom here in
>> Australia and have been for many years so we are biased haha..As for the
>> connection points, I agree that you seem to have the fan connected
>> correctly to the right terminals so it may be a question of temperature
>> sensing that may need to be investigated. I love the Acom amps, even if
>> we
>> were not professionally linked to Bulgaria, I would run these amps
>> without
>> question. I love the support we receive from Bulgaria, no question is
>> considered stupid and they have some pretty bright people on board thats
>> for sure. If you get into trouble, email Stan at Acom and I am sure he
>> will send you back some quick thoughts as well. Jay and Bob at Array
>> Solutions are also incredibly helpful so just another local option for
>> you
>> as well.
>> cheers
>> Brenton
>> VK3CM
>>
>>
>>
>> On Sat, Nov 2, 2013 at 8:13 AM, Barry N1EU <barry.n1eu@...> wrote:
>>

>>> **

>>>
>>>
>>> Fan still not coming on, even at 100 deg C. Again, can anybody tell me
>>> if there is a convenient source of unswitched 24VDC available that I

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>>> Thanks & 73,
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>>>> QRX a sec - I forgot to install F7 ;-)
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>>>> On Fri, Nov 1, 2013 at 8:26 PM, Barry N1EU <barry.n1eu@...>
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>>>>> Unfortunately, I'm not seeing the external fan kick on, even with
>>>>> TEMP-R and TEMP-F indicating 85 deg C. Before opening it back up and
>>>>> poking around, can anybody tell me if there is a convenient source of
>>>>> unswitched 24VDC available that I can wire the fan to? I don't mind
>>>>> letting this quiet fan run all the time.
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>>>>> Thanks & 73,
>>>>> Barry N1EU
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>>>>> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@w5ov.com> wrote:
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>>>>>> That is precisely correct.
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>>>>>> Bob W5OV
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>> Brenton
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>> Managing Director
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>> Email brenton@...m.au
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5659. RE: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-07 11:47:31 UTC
From: Bob Naumann
Topic: 5640 Message: 5659

Big mistake.

With the EBS mod, you have voided all warranty.

Acom specifically states that they do not recommend this modification and that it voids all warranties.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, November 01, 2013 7:46 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "External" fan install question (2000A)

Bob, I installed the fan in conjunction with installing the EBS bias mod. I knew the amp would run hotter after the mod.

73,

Barry N1EU

On Fri, Nov 1, 2013 at 10:31 PM, <W5OV@w5ov.com> wrote:

Barry,

The fan only comes on when the amp is too hot.

I installed an external fan on mine, and I have only had it run once.

It was in the summer, without air conditioning on, and it was in the 90's
in the shack - and I was running RTTY calling long CQ's.

When it came on, it surprised the heck out of me.

Why are you installing this fan? Is your amplifier overheating?

-Bob

> The issue for me is that this will be almost impossible to troubleshoot,
> because to get access to the fan electrical connections you have to pull
> the xfmr (and there goes your power). If someone can tell me of a
> constant
> source of 24VDC, then I'll wire it to that and be done with it.
> Otherwise,
> I'm going to install a 120VAC fan and just plug it in externally.
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> I already pulled the cover under the tube deck and double checked that the
> fan circuit jumper is in the 24V position and not the 12V position.
>
> 73, Barry N1EU
>

>
> On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows
> <brenton@...>wrote:
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>>
>> Hi Barry, I would be interested in your findings when you have the
>> external fan fitted on the 2000A. I have a client asking me if it is a
>> worthwhile addition and to be honest, I have been running Acom 1000 and
>> 2000A units for years quite successfully with no external fan but not to
>> say that the fan is not a worthwhile project. I ragchew with my amp a
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>> bit and even with my excessive talking on air, the amp just cranks along
>> without fail. That being said, we are the Dealer for acom here in
>> Australia and have been for many years so we are biased haha..As for the
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>> correctly to the right terminals so it may be a question of temperature
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>> were not professionally linked to Bulgaria, I would run these amps
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>> question. I love the support we receive from Bulgaria, no question is
>> considered stupid and they have some pretty bright people on board thats
>> for sure. If you get into trouble, email Stan at Acom and I am sure he
>> will send you back some quick thoughts as well. Jay and Bob at Array
>> Solutions are also incredibly helpful so just another local option for
>> you
>> as well.
>> cheers
>> Brenton
>> VK3CM
>>
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>>
>> On Sat, Nov 2, 2013 at 8:13 AM, Barry N1EU <barry.n1eu@...> wrote:
>>

>>> **

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>>> Fan still not coming on, even at 100 deg C. Again, can anybody tell me
>>> if there is a convenient source of unswitched 24VDC available that I
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>>> wire the fan to?
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>>> Thanks & 73,
>>> Barry N1EU

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>>> On Fri, Nov 1, 2013 at 8:28 PM, Barry N1EU <barry.n1eu@...>
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>>>> QRX a sec - I forgot to install F7 ;-)
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>> Kind Regards
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>> Brenton
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5660. RE: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-07 12:30:43 UTC
From: Bob Naumann
Topic: 5640 Message: 5660

From what I've seen, there are at least 3 different variants of how the external fan is implemented in the 2000A.

Mine is one of the oldest 2000A models, and mine only comes on when it's too hot.

Others run all the time.

There are apparently some that have two installation options that offer either option – full time, or switched.

Perhaps LZ1VB could provide some details on these variants.

W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Bob Naumann
Sent: Thursday, November 07, 2013 5:46 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] "External" fan install question (2000A)

This depends on the "vintage" of your amplifier.

Originally, the fan only would run when the temperature would exceed a pre-set threshold.

Newer versions of the 2000A operate differently.

I will have to research when the change in design was made.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Friday, November 01, 2013 7:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "External" fan install question (2000A)

Bob, according to the install document from Bulgaria, the external dc fan runs all the time but runs faster above 90 deg C. ???

"The external fan is running all the time while the amplifier is ON. . .

Using DC types is preferable since they are controlled at two speed levels, depending on the exhaust air temperature. Running speed is accelerated above 90deg.C (194F) and is automatically slowed down when the cooling air temperature drops below 80deg.C (176F)."

Barry N1EU

On Fri, Nov 1, 2013 at 10:31 PM, <W5OV@...> wrote:

Barry,

The fan only comes on when the amp is too hot.

I installed an external fan on mine, and I have only had it run once.

It was in the summer, without air conditioning on, and it was in the 90's
in the shack - and I was running RTTY calling long CQ's.

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Why are you installing this fan? Is your amplifier overheating?

-Bob

> The issue for me is that this will be almost impossible to troubleshoot,
> because to get access to the fan electrical connections you have to pull
> the xfmr (and there goes your power). If someone can tell me of a
> constant
> source of 24VDC, then I'll wire it to that and be done with it.
> Otherwise,
> I'm going to install a 120VAC fan and just plug it in externally.
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> I already pulled the cover under the tube deck and double checked that the
> fan circuit jumper is in the 24V position and not the 12V position.
>
> 73, Barry N1EU
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>
> On Fri, Nov 1, 2013 at 9:33 PM, Brenton Meadows
> <brenton@...>wrote:
>

>> **

>>
>>
>> Hi Barry, I would be interested in your findings when you have the
>> external fan fitted on the 2000A. I have a client asking me if it is a
>> worthwhile addition and to be honest, I have been running Acom 1000 and
>> 2000A units for years quite successfully with no external fan but not to
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>> On Sat, Nov 2, 2013 at 8:13 AM, Barry N1EU <barry.n1eu@...> wrote:
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>>> Fan still not coming on, even at 100 deg C. Again, can anybody tell me
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>>>>> On Thu, Oct 31, 2013 at 8:36 PM, <W5OV@...> wrote:
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>>>>>> That is precisely correct.
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>> Managing Director
>> Mobile 0418 844-700
>> Email brenton@...
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>

5661. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-07 12:57:18 UTC
From: Hal Kennedy
Topic: 5640 Message: 5661

I have a self-installed factory fan on a very early serial number. I have never seen it come on - not once. Max temp I have ever seen is 90C BTW.

Hal
N4GG

5662. Re: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-07 13:42:17 UTC
From: Barry N1EU
Topic: 5640 Message: 5662

Thanks for posting this Hal, because that's what I see with a newly installed 24vDC fan on my early 2000A. I may end up swapping it out for a quiet 120vAC fan which should be powered continuously if the documentation is correct.

Barry N1EU

On Thu, Nov 7, 2013 at 12:57 PM, Hal Kennedy <halken@comcast.net> wrote:

>
>
> I have a self-installed factory fan on a very early serial number. I
> have never seen it come on - not once. Max temp I have ever seen is 90C
> BTW.
>
> Hal
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>
>

5663. RE: [acom-list] "External" fan install question (2000A)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-07 16:13:14 UTC
From: Máximo EA1DDO_HK1H
Topic: 5640 Message: 5663

Hi all,

I installed myself a 24v fan on my early 2000A, back in 2005 or 2006 I guess. Installation was easy and it turns on when temp raises over 85C if I am not wrong. Which only happens during contest or digital modes.

73, Maximo

To: acom-list@yahoogroups.com
From: barry.n1eu@...
Date: Thu, 7 Nov 2013 13:42:17 +0000
Subject: Re: [acom-list] "External" fan install question (2000A)

Thanks for posting this Hal, because that's what I see with a newly installed 24vDC fan on my early 2000A. I may end up swapping it out for a quiet 120vAC fan which should be powered continuously if the documentation is correct.

Barry N1EU

On Thu, Nov 7, 2013 at 12:57 PM, Hal Kennedy <halken@...> wrote:

I have a self-installed factory fan on a very early serial number. I

have never seen it come on - not once. Max temp I have ever seen is 90C

BTW.

Hal

N4GG

5664. Re: [acom-list] Time to clean your air filter - TNX KA7GKN

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-08 16:07:42 UTC
From: Paul M Dunphy
Topic: 5619 Message: 5664

On 10/17/2013 10:50 AM, martins160@... wrote:
>
>
> After you reset your clocks for daylight savings time
> pull the Acom 2000A filter and clean it
> your amplifier will appreciate it
>
>
> Martin ka7gkn
>

Hi Martin,

You've been sending this sort of message for a number of years, and I want to tell you I really appreciate it. I *try* to be diligent with all of my electronic equipment with respect to heat. I do forget the filter on the amp occasionally. Your posts remind me to do it.

A few days ago my ACOM-1000 was idling around 40-42°C. I got the vacuum out and cleaned the filter. It now idles between 34-36°C. This is consistent with previous times I cleaned the filter. I don't know how much ~5°C affects the tube life, but I'm sure it helps to keep it as cool as possible.

I intended to post this several times in the past few years, but kept forgetting. I want to let you know that at least one member of the group appreciates your reminders!

73, Paul VE1DX

5665. Re: [acom-list] Time to clean your air filter - TNX KA7GKN

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-09 02:35:28 UTC
From: <aivers30868@...>
Topic: 5619 Message: 5665

if you have cats , you must clean the filter out monthly or more

w6vnr, Joe

-----Original Message-----
From: Paul M Dunphy
Sent: Nov 8, 2013 11:07 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Time to clean your air filter - TNX KA7GKN

On 10/17/2013 10:50 AM, martins160@... wrote:
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>
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> Martin ka7gkn
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I intended to post this several times in the past few years, but
kept forgetting. I want to let you know that at least one member of the
group appreciates your reminders!

73, Paul VE1DX

5666. Re: Time to clean your air filter - TNX KA7GKN

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-09 16:07:39 UTC
From: Don Kasten
Topic: 5619 Message: 5666

While you're at it, change the batteries in your smoke detectors.

73,
Don
N4DK

5667. RE: Re: Time to clean your air filter - TNX KA7GKN

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-10 09:16:28 UTC
From: <acom@...>
Topic: 5619 Message: 5667

I opened up my Acom but I could not find any smoke detector... ;)

73
Jan
PA4JJ

---In acom-list@yahoogroups.com, <n4dk@...> wrote:

While you're at it, change the batteries in your smoke detectors.

73,
Don
N4DK

5668. Re: [acom-list] RE: Re: Time to clean your air filter - TNX KA7GKN

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-10 09:50:07 UTC
From: Callum the Web Boss
Topic: 5619 Message: 5668

.. or the batteries.

OK, I promise to vac it today. Thanks :)

5669. Acom 1011 problem (IP & F LED flashing)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-10 14:11:33 UTC
From: <pa3hho@...>
Topic: 5669 Message: 5669

My 1011 was working flawlessly until a couple of weeks ago. Even though OPER LED is on after 30 seconds, I normally let it warm up for at least 1 minute or longer. I typically drive it with 30 - 40 Watts for 400W output.

A few weeks ago I noticed that amp went into protection with (yellow) IP LED and (red) F LED flashing at turn at a speed of about 4 Hz and (green) OPER LED is off for a couple of seconds. After that, the amp used to work normal. When I let it warm up for a longer time, in most cases it was working OK directly. Since a few days, it always goes into protection mode as described above.

I've send an email to Acom, hopefully they have an answer. Anybody has an idea what can be the problem?

Kind regards / 73

Pleun (PA3HHO)

5671. RE: Acom 1011 problem (IP & F LED flashing)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-10 14:25:48 UTC
From: <pa3hho@...>
Topic: 5669 Message: 5671

Hmmm... LEDs are blinking at about 8Hz speed (not that that matters I reckon). I found that sometimes, the amp seems to work but there's no amplifier gain; TX LED comes on but I DON'T hear the relay from the amp switching and only see (obviously) the input power (around 30W) on the external output meter (after amp). When the relay switches, it goes into protecion. Maybe a relay issue?

---In acom-list@yahoogroups.com, <pa3hho@...> wrote:

My 1011 was working flawlessly until a couple of weeks ago. Even though OPER LED is on after 30 seconds, I normally let it warm up for at least 1 minute or longer. I typically drive it with 30 - 40 Watts for 400W output.

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I've send an email to Acom, hopefully they have an answer. Anybody has an idea what can be the problem?

Kind regards / 73

Pleun (PA3HHO)

5672. Re: [acom-list] RE: Re: Time to clean your air filter - TNX KA7GKN

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-10 14:55:58 UTC
From: Paul M Dunphy
Topic: 5619 Message: 5672

On 11/10/2013 5:16 AM, acom@... wrote:
>
>
> I opened up my Acom but I could not find any smoke detector... ;)
>
>
> 73
>
> Jan
>
> PA4JJ
>

Hi Jan,

You didn't lose all the magic smoke from inside your ACOM did you?
That's what all electronic equipment runs on. Magic smoke. If it
escapes, the gear won't work:

http://www.urbandictionary.com/define.php?term=magic%20smoke

Really! :-)

73, Paul VE1DX

5675. Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 05:45:28 UTC
From: Larry Benko
Topic: 5675 Message: 5675

My Acom 1000 faulted with a hard PN07 fault code recently. This is a high voltage failure. Dis-assembly of the amp showed fuse F2 (in the soft start circuit) was blown, one diode in the high voltage rectifier bridge was shorted, and the plate current resistor pair R1A and R1B were blown open. Also there was short in the main transformer from the 1-4 winding (half the AC primary) to the high voltage winding. The transformer was removed from the amp and the transformer short remained so it was real. Attempts to blow the short open were un-successful so I needed a new transformer.

A new expensive transformer was ordered and during the wait time for the transformer (about 4 weeks) I checked every board in the amp. I especially looked at the electrolytic capacitors (since the amp was 10 years old) and checked them in circuit with a ESR meter. Two capacitors with excessive ESR were found on the main pcb and capacitor C5 (3300uF, 25V) on the main pcb was visibly bulging. These 3 capacitors were replaced. Upon recieving the new transformer and installing it in the amp all appeared OK. The amp warmed up fine but when the amp was put on line (without being keyed) it faulted with a PR06 error showing both plate and grid current.

The amp was dis-assembled once again and re-checked. This time a control grid to screen grid 4 ohm short was found in the tube between pins 1 and 5. Not having a new tube I removed the tube. I then very carefully ramped up a DC voltage from a power supply connected across pins 1 and 5. When the current reached 27mA the short disappeared. Wow! I then hi-potted from pins 1 to 5 ramping up to 1000V with current less than 1uA. Feeling that there was nothing to lose, the old tube was installed in the amp and the amp powered up fine and now works great again. I can only assume that in the troubleshooting process I turned the amp over a few times and some small particle in the tube must have become lodged between the 2 grids.

Just thought I would mention the conclusion of the saga.

73,
Larry, W0QE

5676. Re: Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 13:12:39 UTC
From: Johnsay Johnsay
Topic: 5675 Message: 5676

Congratulations on resolving this issue. Sounds like a long journey.
It's somewhat concerning that the elaborate safety systems in the amp didn't prevent massive damage resulting from what undoubtedly was a tube issue. My thought would be to replace the tube in any case.
John, W8KX

5677. Re: [acom-list] Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 14:01:33 UTC
From: Brian Alsop
Topic: 5675 Message: 5677

Hi Larry,

Do you have any comparisons of full plate current and screen current after repair compared to the original tube. Possibly part of the screen was incinerated? How that would possibly effect linearity, output and dissipation is an open question.

However, these NOS tubes generally lack quality control. Even if part of the screen was zapped, it may be no worse than the variation between tubes. I saw a 300 watt variation in max output power on 6M with three "tested" NOS tubes.

73 de Brian/K3KO

On 11/18/2013 05:45, Larry Benko wrote:
> My Acom 1000 faulted with a hard PN07 fault code recently. This is a
> high voltage failure. Dis-assembly of the amp showed fuse F2 (in the
> soft start circuit) was blown, one diode in the high voltage rectifier
> bridge was shorted, and the plate current resistor pair R1A and R1B were
> blown open. Also there was short in the main transformer from the 1-4
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> 25V) on the main pcb was visibly bulging. These 3 capacitors were
> replaced. Upon recieving the new transformer and installing it in the
> amp all appeared OK. The amp warmed up fine but when the amp was put on
> line (without being keyed) it faulted with a PR06 error showing both
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>
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> control grid to screen grid 4 ohm short was found in the tube between
> pins 1 and 5. Not having a new tube I removed the tube. I then very
> carefully ramped up a DC voltage from a power supply connected across
> pins 1 and 5. When the current reached 27mA the short disappeared.
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> less than 1uA. Feeling that there was nothing to lose, the old tube was
> installed in the amp and the amp powered up fine and now works great
> again. I can only assume that in the troubleshooting process I turned
> the amp over a few times and some small particle in the tube must have

> become lodged between the 2 grids.
>
> Just thought I would mention the conclusion of the saga.
>
> 73,
> Larry, W0QE
>
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> Yahoo Groups Links
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2247 / Virus Database: 3222/6346 - Release Date: 11/18/13
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2247 / Virus Database: 3222/6346 - Release Date: 11/18/13

5678. Re: [acom-list] Re: Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 14:09:07 UTC
From: Larry Benko
Topic: 5675 Message: 5678

John,

I really do not think the cause was a tube issue. The initial fault was a transformer failure in the insulation resulting in a failure between on of the AC primaries and the high voltage winding. This failure accounts for the damage to fuse F2, the HV diode, and the plate current resistor. The tube issue I think was not related to the original failure.

73,
Larry, W0QE

On 11/18/2013 6:12 AM, Johnsay Johnsay wrote:
> Congratulations on resolving this issue. Sounds like a long journey.
> It's somewhat concerning that the elaborate safety systems in the amp
> didn't prevent massive damage resulting from what undoubtedly was a
> tube issue. My thought would be to replace the tube in any case.
> John, W8KX
>

5679. Re: [acom-list] Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 14:19:07 UTC
From: Larry Benko
Topic: 5675 Message: 5679

Brian,

The plate and screen currents do NOT appear to have changed. I doubt the 27mA current did much damage to the grids. Had the short required an amp to clear I definitely would have thought differently.

I did a 2 tone test on 20m and saw no difference on the spectrum analyzer from measurements I had made several years ago. I have made several QSOs and asked for signal reports with no negative results. However I do have another tube on order.

73,
Larry, W0QE

On 11/18/2013 7:01 AM, Brian Alsop wrote:
>
> Hi Larry,
>
> Do you have any comparisons of full plate current and screen current
> after repair compared to the original tube. Possibly part of the screen
> was incinerated? How that would possibly effect linearity, output and
> dissipation is an open question.
>
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>
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> > needed a new transformer.
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> > transformer (about 4 weeks) I checked every board in the amp. I
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> > with excessive ESR were found on the main pcb and capacitor C5 (3300uF,

> > 25V) on the main pcb was visibly bulging. These 3 capacitors were
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> > pins 1 and 5. When the current reached 27mA the short disappeared.
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> > less than 1uA. Feeling that there was nothing to lose, the old tube was
> > installed in the amp and the amp powered up fine and now works great
> > again. I can only assume that in the troubleshooting process I turned
> > the amp over a few times and some small particle in the tube must have
> > become lodged between the 2 grids.
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> > 73,
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> > Yahoo Groups Links
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> > -----
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2012.0.2247 / Virus Database: 3222/6346 - Release Date:
> 11/18/13
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>
>

5680. Re: [acom-list] Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 17:12:28 UTC
From: BC and AC
Topic: 5675 Message: 5680

Anyone have a recommendation on a source for a reliable replacement tube for the ACOM 1000? I thought I might keep one on had just in case. Do they have a long shelf life before becoming gassy?

5681. Re: [acom-list] Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 19:15:47 UTC
From: Fernando EC1CT
Topic: 5675 Message: 5681

Try Ron at Vinecom UK (do a google search)...As Acom dealer they sell NOS tubes and ship them tested. Look on his webpage for his tube tester (great!). 73
Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: BC and AC
Sent: Monday, November 18, 2013 6:12 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 failure resolution

Anyone have a recommendation on a source for a reliable replacement tube
for the ACOM 1000? I thought I might keep one on had just in case. Do
they have a long shelf life before becoming gassy?

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2014.0.4158 / Base de datos de virus: 3629/6843 - Fecha de publicación: 11/17/13

5682. Re: [acom-list] Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-18 19:37:17 UTC
From: Brian Alsop
Topic: 5675 Message: 5682

Please note that about 3 years ago, these tests were that the tube put
out 400 watts-- the limit in his country. Some of the tubes received
put out 700 watts max in an ACOM 1000.

The testing may have changed since.

Ron did everything he could to get me a tube with full 1 KW output. He
even went through the process of testing the NOS tubes in an ACOM1000
instead of the usual test jig. That testing was a bit of a pain. Those
who have changed tubes in an ACOM1000 know it isn't simply pull out the
old and plug in the new. You have to disassemble part of the plate
circuit and take care not to damage the temperature sensors.

73 de Brian/K3KO

On 11/18/2013 19:15, Fernando EC1CT wrote:
>
>
> Try Ron at Vinecom UK (do a google search)...As Acom dealer they sell
> NOS tubes and ship them tested. Look on his webpage for his tube tester
> (great!). 73
> Fernando EC1CT // KD0IGJ
> E-Mail: ec1ct@... <mailto:ec1ct@...>
> KR DX Group
> *From:* BC and AC <mailto:bc2403@...>
> *Sent:* Monday, November 18, 2013 6:12 PM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] Acom 1000 failure resolution
>
> Anyone have a recommendation on a source for a reliable replacement tube
> for the ACOM 1000? I thought I might keep one on had just in case. Do
> they have a long shelf life before becoming gassy?
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2247 / Virus Database: 3222/6346 - Release Date: 11/18/13

5683. RE: [acom-list] Acom 1000 failure resolution

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 12:44:41 UTC
From: Paul pasquet
Topic: 5675 Message: 5683

I got one from Ebay from a seller called :

tubes-shop

No problems at all, the valve worked perfectly and was in its original sealed bag together with the small data sheet.

As it turned out my problem was not in fact the valve,however Ive now got the old one as a replacement.

Paul G4RRA

To: acom-list@yahoogroups.com
From: alsopb@...
Date: Mon, 18 Nov 2013 19:37:17 +0000
Subject: Re: [acom-list] Acom 1000 failure resolution

Please note that about 3 years ago, these tests were that the tube put

out 400 watts-- the limit in his country. Some of the tubes received

put out 700 watts max in an ACOM 1000.

The testing may have changed since.

Ron did everything he could to get me a tube with full 1 KW output. He

even went through the process of testing the NOS tubes in an ACOM1000

instead of the usual test jig. That testing was a bit of a pain. Those

who have changed tubes in an ACOM1000 know it isn't simply pull out the

old and plug in the new. You have to disassemble part of the plate

circuit and take care not to damage the temperature sensors.

73 de Brian/K3KO

On 11/18/2013 19:15, Fernando EC1CT wrote:

>

>

> Try Ron at Vinecom UK (do a google search)...As Acom dealer they sell

> NOS tubes and ship them tested. Look on his webpage for his tube tester

> (great!). 73

> Fernando EC1CT // KD0IGJ

> E-Mail: ec1ct@... <mailto:ec1ct@...>

> KR DX Group

> *From:* BC and AC <mailto:bc2403@...>

> *Sent:* Monday, November 18, 2013 6:12 PM

> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>

> *Subject:* Re: [acom-list] Acom 1000 failure resolution

>

> Anyone have a recommendation on a source for a reliable replacement tube

> for the ACOM 1000? I thought I might keep one on had just in case. Do

> they have a long shelf life before becoming gassy?

>

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2012.0.2247 / Virus Database: 3222/6346 - Release Date: 11/18/13

5684. HV too low at power on - troubleshooting?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 22:38:08 UTC
From: Barry N1EU
Topic: 5684 Message: 5684

I'd appreciate any tips on troubleshooting an "HV too low at power" on fault that comes up as soon as the 2 minute power on delay completes. Transformer connections look okay. Is it possible to take some voltage readings? Other things to look for?

Thanks & 73,
Barry N1EU

5685. 1010 or 1011 on RTTY

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 22:41:13 UTC
From: r.bro84@...
Topic: 5685 Message: 5685

Hi

Has anyone here operated either of these amps on RTTY for long periods of time e.g. A contest or dxpedition? Am talking 12 hours+

Only need to know about the 1010 or 1011 not other Acom amps.

Thanks

Rich M5RIC
Sent from my BlackBerry® wireless device

5686. Re: [acom-list] HV too low at power on - troubleshooting?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 22:48:22 UTC
From: Brenton Meadows
Topic: 5684 Message: 5686

Definitely check all 10 ohm 10w resistors on the HV board, Acom in Bulgaria helped me with one of these recently and it was just a 10ohm resistor open circuit.

Acom also sent this info below.. The guys at Acom are extremely helpful...Hopefully its a simple one, mine was.

Cheers VK3CM

Do you hear relays clicks after the countdown end?

If yes, you may start with checking F2 and F3 fuses on the Mains control board.

If not, check the 24V power supply voltages on JP3:10 and JP3:14 of the Interface board.

Check the relay driving voltages on JP4:15, JP4:16, JP4:18.

If a voltage is missing, follow the circuit.

A failure is possible in the HV transformer and HV rectifier too, as well as the metering.

If you have a HV probe, you can check if the HV is really missing, or it's there, but the problem is in the metering.

On Wed, Nov 20, 2013 at 9:38 AM, Barry N1EU <barry.n1eu@...> wrote:

>
>
> I'd appreciate any tips on troubleshooting an "HV too low at power" on
> fault that comes up as soon as the 2 minute power on delay completes.
> Transformer connections look okay. Is it possible to take some voltage
> readings? Other things to look for?
>
> Thanks & 73,
> Barry N1EU
>
>
>

--
Kind Regards

Brenton

Position and Navigation Systems Pty Ltd
Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@posnav.com.au

5687. Re: [acom-list] HV too low at power on - troubleshooting?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 22:51:05 UTC
From: Brenton Meadows
Topic: 5684 Message: 5687

Hi Barry, I found some other notes for you
cheers
Brenton
VK3CM

1. Check whether a relay click can be heard at the end of 150s warmup period - just before the protection trip. If not heard. This should be the relays K2 and K3 on MAINS PCB which should apply mains power to the HV transformer primary winding at that time.

If this relay click is not heard the problem is in the relay control wiring or in the relay itself. Check also the top-cover sensing micro switch - it is in series with the windings of these relays.

2. Check the step-start fuses F2 and F3 on MAINS PCB (2A slow blow type). Check also whether the fuse holder spring contacts are tight - the fuse should not "rattle" in the holder.

3. Check the resistors R3 and R4 on MAINS PCB (10 Ohm wire wound).

4. Check the resistors R14 and R17 on HV PCB (10 Ohm wire wound). In the newer models these are labelled R14F and R17F and located on the top PCB - see the attached pictures.

5. Check the resistors R10, R11, and R12 on HV Filter PCB (1Meg Ohm 3W) - these are the HV-measurement resistors. In the newer units we have a single 3M flat ceramic resistor here - see the attached pictures.

6. Look over all 2.2nF/10kV (blue or yellow) disc ceramic capacitors for obvious break down marks like the ones shown in the attached pictures.

7. Using an oscilloscope check the following two voltages on INTERFACE PCB:

a) Check the +24VST on JP3:10. It should appear at the end of the 150s warmup period for at least 100ms. It is powered from the HV transformer and is an indication for successfully powered primary and not shorted any secondary.

b) Check the "hvm" signal on JP7:12. This is the HV-monitoring measurement signal. It should appear at the end of the 150s warmup period. It is normally 0.66V when only the RCU is active. It should become nearly zero (about 0.05V) during warmup and it should jump to about 1.7V at the end of warmup, when the relay click is heard - this corresponds to about 2800V plate dc voltage.

On Wed, Nov 20, 2013 at 9:48 AM, Brenton Meadows <brenton@...>wrote:

> Definitely check all 10 ohm 10w resistors on the HV board, Acom in
> Bulgaria helped me with one of these recently and it was just a 10ohm
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>
> Acom also sent this info below.. The guys at Acom are extremely
> helpful...Hopefully its a simple one, mine was.
>
> Cheers VK3CM
>
> Do you hear relays clicks after the countdown end?
>
> If yes, you may start with checking F2 and F3 fuses on the Mains control
> board.
>
> If not, check the 24V power supply voltages on JP3:10 and JP3:14 of the
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> Check the relay driving voltages on JP4:15, JP4:16, JP4:18.
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> A failure is possible in the HV transformer and HV rectifier too, as well
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> If you have a HV probe, you can check if the HV is really missing, or it's
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> On Wed, Nov 20, 2013 at 9:38 AM, Barry N1EU <barry.n1eu@...> wrote:
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>> I'd appreciate any tips on troubleshooting an "HV too low at power" on
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>> Transformer connections look okay. Is it possible to take some voltage
>> readings? Other things to look for?
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>> Thanks & 73,
>> Barry N1EU
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>
>
> --
> Kind Regards
>
> Brenton
>
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>
> Position and Navigation Systems Pty Ltd
> Brenton Meadows
> Managing Director
> Mobile 0418 844-700
> Email brenton@...
>
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>

--
Kind Regards

Brenton

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Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@....au

5688. Re: [acom-list] HV too low at power on - troubleshooting?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 22:54:53 UTC
From: Brenton Meadows
Topic: 5684 Message: 5688

Hi Barry

I have forwarded privately a load of pictures and advices regarding your
Acom 2000 repair.
I hope it assists you.

Cheers
Brenton
VK3CM

On Wed, Nov 20, 2013 at 9:51 AM, Brenton Meadows <brenton@...>wrote:

> Hi Barry, I found some other notes for you
> cheers
> Brenton
> VK3CM
>
> 1. Check whether a relay click can be heard at the end of 150s warmup
> period - just before the protection trip. If not heard. This should be the
> relays K2 and K3 on MAINS PCB which should apply mains power to the HV
> transformer primary winding at that time.
>
> If this relay click is not heard the problem is in the relay control
> wiring or in the relay itself. Check also the top-cover sensing micro
> switch - it is in series with the windings of these relays.
>
> 2. Check the step-start fuses F2 and F3 on MAINS PCB (2A slow blow type).
> Check also whether the fuse holder spring contacts are tight - the fuse
> should not "rattle" in the holder.
>
> 3. Check the resistors R3 and R4 on MAINS PCB (10 Ohm wire wound).
>
> 4. Check the resistors R14 and R17 on HV PCB (10 Ohm wire wound). In the
> newer models these are labelled R14F and R17F and located on the top PCB -
> see the attached pictures.
>
> 5. Check the resistors R10, R11, and R12 on HV Filter PCB (1Meg Ohm 3W) -
> these are the HV-measurement resistors. In the newer units we have a single
> 3M flat ceramic resistor here - see the attached pictures.
>
> 6. Look over all 2.2nF/10kV (blue or yellow) disc ceramic capacitors for
> obvious break down marks like the ones shown in the attached pictures.
>
> 7. Using an oscilloscope check the following two voltages on INTERFACE PCB:
>
> a) Check the +24VST on JP3:10. It should appear at the end of the 150s

> warmup period for at least 100ms. It is powered from the HV transformer and
> is an indication for successfully powered primary and not shorted any
> secondary.
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> b) Check the "hvm" signal on JP7:12. This is the HV-monitoring measurement
> signal. It should appear at the end of the 150s warmup period. It is
> normally 0.66V when only the RCU is active. It should become nearly zero
> (about 0.05V) during warmup and it should jump to about 1.7V at the end of
> warmup, when the relay click is heard - this corresponds to about 2800V
> plate dc voltage.
>
>
>
> On Wed, Nov 20, 2013 at 9:48 AM, Brenton Meadows <brenton@...>wrote:
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>> Definitely check all 10 ohm 10w resistors on the HV board, Acom in
>> Bulgaria helped me with one of these recently and it was just a 10ohm
>> resistor open circuit.
>>
>> Acom also sent this info below.. The guys at Acom are extremely
>> helpful...Hopefully its a simple one, mine was.
>>
>> Cheers VK3CM
>>
>> Do you hear relays clicks after the countdown end?
>>
>> If yes, you may start with checking F2 and F3 fuses on the Mains control
>> board.
>>
>> If not, check the 24V power supply voltages on JP3:10 and JP3:14 of the
>> Interface board.
>>
>> Check the relay driving voltages on JP4:15, JP4:16, JP4:18.
>>
>> If a voltage is missing, follow the circuit.
>>
>> A failure is possible in the HV transformer and HV rectifier too, as
>> well as the metering.
>>
>> If you have a HV probe, you can check if the HV is really missing, or
>> it's there, but the problem is in the metering.
>>
>>
>> On Wed, Nov 20, 2013 at 9:38 AM, Barry N1EU <barry.n1eu@...> wrote:
>>
>>>
>>>
>>> I'd appreciate any tips on troubleshooting an "HV too low at power" on
>>> fault that comes up as soon as the 2 minute power on delay completes.
>>> Transformer connections look okay. Is it possible to take some voltage

>>> readings? Other things to look for?
>>>
>>> Thanks & 73,
>>> Barry N1EU
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>> --
>> Kind Regards
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>> Brenton
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>> Position and Navigation Systems Pty Ltd
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Kind Regards

Brenton

Position and Navigation Systems Pty Ltd
Brenton Meadows
Managing Director

Mobile 0418 844-700
Email brenton@...

5689. RE: Re: [acom-list] HV too low at power on - troubleshooting?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-19 23:31:11 UTC
From: <barry.n1eu@...>
Topic: 5684 Message: 5689

Thanks Brenton - this is EXTREMELY helpful!!!

73, Barry N1EU

---In acom-list@yahoogroups.com, <brenton@...> wrote:

Hi Barry, I found some other notes for you cheers
Brenton
VK3CM

1. Check whether a relay click can be heard at the end of 150s warmup period - just before the protection trip. If not heard. This should be the relays K2 and K3 on MAINS PCB which should apply mains power to the HV transformer primary winding at that time.

If this relay click is not heard the problem is in the relay control wiring or in the relay itself. Check also the top-cover sensing micro switch - it is in series with the windings of these relays.

2. Check the step-start fuses F2 and F3 on MAINS PCB (2A slow blow type). Check also whether the fuse holder spring contacts are tight - the fuse should not "rattle" in the holder.

3. Check the resistors R3 and R4 on MAINS PCB (10 Ohm wire wound).

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6. Look over all 2.2nF/10kV (blue or yellow) disc ceramic capacitors for obvious break down marks like the ones shown in the attached pictures.

7. Using an oscilloscope check the following two voltages on INTERFACE PCB:

a) Check the +24VST on JP3:10. It should appear at the end of the 150s warmup period for at least 100ms. It is powered from the HV transformer and is an indication for successfully powered primary and not shorted any secondary.

b) Check the "hvm" signal on JP7:12. This is the HV-monitoring measurement signal. It should appear at the end of the 150s warmup period. It is normally 0.66V when only the RCU is active. It should become nearly zero (about 0.05V) during warmup and it should jump to about 1.7V at the end of warmup, when the relay click is heard - this corresponds to about 2800V plate dc voltage.

On Wed, Nov 20, 2013 at 9:48 AM, Brenton Meadows <brenton@... mailto:brenton@...> wrote:
Definitely check all 10 ohm 10w resistors on the HV board, Acom in Bulgaria helped me with

one of these recently and it was just a 10ohm resistor open circuit.

Acom also sent this info below.. The guys at Acom are extremely helpful...Hopefully its a simple one, mine was.

Cheers VK3CM

Do you hear relays clicks after the countdown end?

If yes, you may start with checking F2 and F3 fuses on the Mains control board.

If not, check the 24V power supply voltages on JP3:10 and JP3:14 of the Interface board.

Check the relay driving voltages on JP4:15, JP4:16, JP4:18.

If a voltage is missing, follow the circuit.

A failure is possible in the HV transformer and HV rectifier too, as well as the metering.

If you have a HV probe, you can check if the HV is really missing, or it's there, but the problem is in the metering.

On Wed, Nov 20, 2013 at 9:38 AM, Barry N1EU <barry.n1eu@... mailto:barry.n1eu@...> wrote: I'd appreciate any tips on troubleshooting an "HV too low at power" on fault that comes up as soon as the 2 minute power on delay completes. Transformer connections look okay. Is it possible to take some voltage readings? Other things to look for?

Thanks & 73,
Barry N1EU

--
Kind Regards

Brenton

Position and Navigation Systems Pty Ltd
Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@... mailto:brenton@...

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Kind Regards

Brenton

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Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@... mailto:brenton@...

5690. (solved) Re: [acom-list] HV too low at power on - troubleshooting?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-20 00:23:33 UTC
From: Barry N1EU
Topic: 5690 Message: 5690

Thanks again Brenton - it was one of those fuses on the Mains control board
- replaced it and amp powers up fine!

73, Barry N1EU

On Tue, Nov 19, 2013 at 10:48 PM, Brenton Meadows <brenton@...>wrote:

>
>
> Definitely check all 10 ohm 10w resistors on the HV board, Acom in
> Bulgaria helped me with one of these recently and it was just a 10ohm
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> Acom also sent this info below.. The guys at Acom are extremely
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> Interface board.
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> If a voltage is missing, follow the circuit.
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> as the metering.
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> If you have a HV probe, you can check if the HV is really missing, or it's
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>> fault that comes up as soon as the 2 minute power on delay completes.
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>> readings? Other things to look for?
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>> Thanks & 73,
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5691. ACOM Director 0.7.1 Now Available - Logger32 Support

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-23 14:12:37 UTC
From: <yomengineering@...>
Topic: 5691 Message: 5691

(My email didn't seem to show up, so i'm posting this again through the website just in case)

Hi All,

I thought I'd just let you all know that ACOM Director 0.7.1 beta is now available for download from the following URL

https://acomdirector.codeplex.com/releases/view/115296
https://acomdirector.codeplex.com/releases/view/115296

There are a couple of small User Interface tweaks, however the main change is the addition of Logger32 support to allow the ACOM 2000A to automatically track the frequency of your radio when connected through Logger32.

Please note that this is very much a beta release and there may well be bugs.

Also, A big thanks to Val LZ1VB for doing the early testing on this new feature.

73 James M0YOM

5692. Acom 2000a for sale in Australia

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-23 20:11:50 UTC
From: Brenton Meadows
Topic: 5692 Message: 5692

FOR SALE: Acom 2000 Auto HF Amplifier[image: Click to see full size photo]<http://www.vkclassifieds.com.au/?search_and_display_db_button=on;results_format=Expanded;query=browse#>

[image: E-mail this ad to a friend!]<http://www.vkclassifieds.com.au/hsx/classifieds.hsx?session_key=&send_ad_button=on&results_format=long&db_id=99240&query=retrieval>
Add to my Checklist<http://www.vkclassifieds.com.au/hsx/classifieds.hsx?session_key=&checklist_add=on&results_format=long&db_id=99240&query=retrieval>

Date Posted: 23/11/2013
Expires On: 23/12/2013
Ad Number: 99240
*Ad Information**Category:*Amplifiers*Subcategories:*HF*Price*$5950
*Manufacturer*Acom*Model*Acom2000a*Condition*Excellent*Accessories*Manuals
Power Leads*Other inclusions*ACOM 2000A specifications

• RF output: 1500-2000 W keyed carrier or SSB -. Constant carrier modes 1500W RF output -

• Frequency coverage: All amateur bands 1.8-28 MHz.

• Bandchange / Tuneup: Initial output matching process in less than 3 secs (typically 0.5 secs). Preset matching process / bandchange takes less than 0.2 second to move to different segment, same band and less than 1 sec for QSY to different band.

• Tuning memories: Non-volatile for up to 10 antennas per frequency segment.

• Drive power: Typically 50W for 1500W output.

• Input impedance: 50 ohms nominal. VSWR <1.5:1.

• Output tolerance: Up to 3:1 VSWR (2:1 on 160m) at full rated output before SWR protection circuit actuates. Higher SWR's tolerated at lower output.

• Harmonics: At least 50 dB below peak output at 1500W.

• Intermodulation: At least 35 dB below peak output at 1500W.

• T/R and keying: Vacuum Relay: QSK capable.

• Tubes and circuit: 4CX800A/GU74b tetrodes (2); resistive grid, PI-L output with RF negative feedback. Regulated screen grid voltage.

• ALC: Negative going, grid derived, -11v max, rear panel adjustable.

• Metering: Comprehensive. Remote Control Unit provides flexible monitoring of all amplifier operating parameters.

• Protection: Grid and screen current limiting, power inrush (soft-start provided), trip to excessive reflected power, RF arcs, password access protection if needed, correct T/R sequencing, tube exhaust overheat, cover interlock and HV crowbar.

• Fault diagnosis: Remote Control Unit display and LED's plus*Payment Methods*Cash
Cheque
Direct Deposit
Money Order*Postage / Freight*Buyer Pays
Pickup Available*Amateur Callsign (if applicable)*vk3cm*Description*Acoms Flagship Amplifier
Very rare Offering. I have only had one other for sale secondhand in the last 3 years and it was snapped up by a VK3 in minutes of knowing about its availability last month. These amplifiers are not cheap, but they are the quietest and most effective amplifier on the market.

New price right now is $8999 and worth every cent. When you have a play with an Acom Amplifier, you will want to own one, no question. It is an investment for life and the unit I have here is in great condition, any test is welcomed as a chance to show off what an Acom 2000A can do is just simply a lot of fun. Into our Palstar DL2K dummy load,this unit is exceeding 2000w easily and when you change bands, just key your microphone and the amplifier will change bands and be ready for use anywhere between 0-30mhz, and whisper quiet operation. An on air test of this amplifier is available, call me to arrange anytime.
This amp secondhand is very rare and will be offered on other international bidding sites due to its popularity.(one sold for $5900 USD in the USA on a popular bidding site 3 months ago and due to being in the USA, shipping would have been an extra few dollars as well.) I am open to reasonable offers before the end of any other process so call me to discuss if you are chasing an Acom 2000A, you will not regret the purchase.

*Contact Information**Contact:*Brenton vk3cm*Location:*po box 1 Tangambalanga, VIC 3691
Australia*Telephone:*0418844700*E-Mail:*brenton@...*Web Site:* http://www.qrz.com/db/vk3cm

--
Kind Regards

Brenton

Position and Navigation Systems Pty Ltd
Brenton Meadows
Managing Director
Mobile 0418 844-700
Email brenton@...

5693. acom2000a, Stationmaster, AcomDirector.

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-24 15:35:41 UTC
From: Zbigniew Tyrlik
Topic: 5693 Message: 5693

Any experience on using Acom Director
https://acomdirector.codeplex.com/

with Acom + Stationmaster ?

vy 73, de KU1T
_zjt
--
****
Zbigniew J. Tyrlik DoD# 0759 R1200GS IBA 31595
Free thinker, traveler, poet, happy father and husband....
point'n'click view of the world http://www.kleks.org/fotos/

5694. Antenna Relay Error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-26 16:31:52 UTC
From: Bruce McLain
Topic: 5694 Message: 5694

Does anyone have any instructions on how to troubleshoot the "Antenna relay closed: it should be open" error message on a 2000a?

Bruce McLain - K5WBM

5695. Re: [acom-list] Antenna Relay Error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-26 16:45:22 UTC
From: Barry N1EU
Topic: 5694 Message: 5695

Here are the instructions Bruce. I am also uploading this to the Yahoo Groups site under "troubleshooting instructions" folder.

73,
Barry N1EU

Preliminary Checks:

1. Have you found both 82 Ohm/0.5W resistors installed or not? They should be soldered just next to the relay coil leads.

2. Please make the following test. If the relay has sticked to TX, you should not be able to receive nor transmit through the amplifier's RF-bypass path, when it is powered OFF from the main power switch (on the front panel). If however this happens only when you turn the amplifier ON, the problem could be in the coil control or the contact monitoring circuits.

3. Please look over the RF-deck wiring. Note especially the air gap between the plates of both variable capacitors. Any alien subject (piece of wire or drop of solder) could cause arc faults or imitation of relay-contact closure. The same results if any RF wire does touching the chassis occasionally.

If Preliminary Checks okay, continue:

If the amplifier switches off with "Antenna Relay Closed - it should be open" a few seconds after a turn ON, and the relay is not stuck (you can receive through it) at the same time, it is possible that the contact-monitoring circuit but not the relay has failed. You should make the following tests before replacing the relay:

1. A 3-4 Ohm resistance from the "RF INPUT" coaxial connector (rear panel), to the chassis must exist when the amplifier is off (not powered). This circuit closes through the reception contact of the relay. If no connection, maybe the relay has latched to transmit position: you should replace it.

2. A normal receive/transmit operation with a transceiver must exist through the amplifier's RF "bypass" path when the amplifier is not powered at all (the front panel main switch in OFF). If no reception, the relay has latched to TX: you should replace it.

3. While receiving through amplifier's RF bypass, turn ON the main switch on the front panel. If the reception breaks at that moment, it means that the relay is OK but it's control is bad, i.e. the control actuates the relay parasitically, without a TX request on the KEY-IN:

do not replace the relay, I will give you another instruction.

4. If all above tests are OK, maybe the contact monitoring circuit has faulted. Remove the front panel but put on the top cover. Connect a dummy load or an antenna to the output.

a) Disconnect the connector JP1 on the WATTMETER PCB and turn ON the amplifier. If the amplifier would trip again with the same message "Antenna Relay Closed: it should be open", the problem would be in the monitoring circuit. Do not replace the relay in this case. I'll give you another instruction.

b) In the above conditions (JP1 still disconnected), if the amplifier does not trip with the old message, wait the warm-up period to expire and turn to OPER. Then close the KEY-IN input to the chassis: the amplifier must immediately trip with the opposite protection message: "Antenna Relay Open: it should be closed". If this would happen, the contact monitoring circuit is OK. I would give you more instructions in this case.

5. Switch OFF and connect JP1 to the Wattmeter PCB. Then turn ON and check the following voltages, measured with a DVM in respect to the chassis:

a) The DC voltage on either relay-coil pin to the chassis must be about +50V with only the RCU powered and during RX. The voltage between the pins must be practically zero (below 0.1V) at this time. If the difference between pins is too high, the problem is in the coil control circuits: do not replace the relay, I will give you another instruction.

b) The contact monitoring voltage (*ORC) on the Wattmeter connector JP1:5 must be about +1.8V (1.65...2V) with only the RCU powered and during RX (it is normally about 20mV during TX). If the voltage is low, do not replace the relay.

c) On the Interface PCB, check the ORC signal on JP7:38. It must be below +0.2V (0.12V typically) during the warm-up period and during RX (it is normally above +4.5V during TX. If the voltage is high, do not replace the relay.

please see if a late modification has been added to your amplifier. It concerns adding a diode 1N4148 to the INTERFACE PCB as shown on the attached picture "Ints_Diode.jpg" (note both violet arrows). This diode has been introduced about 10 months ago in order to improve the Arc-Fault detection system. If no diode is present on your PCB, please add it.

A general-purpose diode similar to 1N4148 will do (minimum requirements are 20V/20mA). Connect the diode cathode to the left-hand lead of R6 (located to the right of JP6 center), as shown on the picture. Connect the diode anode to the bottom lead of R131

(located about one inch to the left of the right-hand PCB edge, at a
middle horizontal level).

On Tue, Nov 26, 2013 at 4:31 PM, Bruce McLain <bruce.mclain@...>wrote:

>
>
> Does anyone have any instructions on how to troubleshoot the "Antenna
> relay closed: it should be open" error message on a 2000a?
>
> Bruce McLain - K5WBM
>
>

5696. Re: [acom-list] Antenna Relay Error

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-26 17:28:08 UTC
From: <k2qmf@...>
Topic: 5694 Message: 5696

Usually it is the vacuum relay going bad!!
You can order one from Gigavac at:

http://www.gigavac.com/catalog/amateur-radio.html

73,
Ted K2QMF

On Tue, 26 Nov 2013 10:31:52 -0600 Bruce McLain <bruce.mclain@...>
writes:
> Does anyone have any instructions on how to troubleshoot the
> "Antenna
> relay closed: it should be open" error message on a 2000a?
>
> Bruce McLain - K5WBM
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

_____
Do THIS before eating carbs (every time)
1 EASY tip to increase fat-burning, lower blood sugar & decrease fat storage
http://thirdpartyoffers.juno.com/TGL3141/5294da8536f475a8445e6st01vuc

5697. Re: acom2000a, Stationmaster, AcomDirector.

Yahoo group: acom-list (2010 — 2016)
Date: 2013-11-27 03:59:56 UTC
From: ON4VP
Topic: 5693 Message: 5697

I'm using the Acom 2000a and Station Master + Acom director.

My Acom 2000a is connected to the CIV port of the Station Master.
The Microham Station Master sends data to the Acom that is set for Icom CAT and the amp follows bands and segment changes.

Next I have the Acom also connected on the back with his serial port to the computers serial port number 1.
Acom Director runs on that port and commands or read out is provided trough the com port.

Works just fine.

Just tested the new v0.71 beta version. If I activate the box to let Acom Director read logger32, I don't need the Station Master link no longer. Now the amp follows the bands and freq provided by logger32.

73 Phil ON4VP

5698. Serial number Acom 1000 and manufacturing date

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-01 11:45:14 UTC
From: Hans Remeeus
Topic: 5698 Message: 5698

Hello!

How can I recognize the manufacturing date/year of an Acom 1000 into its serial number?

Tnx and 73, Hans.

--
Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

5699. ACOM 1000 FOR SALE

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-01 15:21:18 UTC
From: harveywizbang@...
Topic: 5699 Message: 5699

One owner. NO smoke, pets, or scratches. VERY low time in LIKE NEW condition. $2800 Shipped CONUS ONLY. reply via address on QRZ.com to K3PD or call nine three six 524-243 one.

5700. RE: Low Bias alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-04 19:33:29 UTC
From: <a61bk@...>
Topic: 1690 Message: 5700

hello to all hello Stan LZ1IU

i have seem probalem

"BIAS too low"

pls help
i want see this photo

TD_Bottom_Cover.jpg

TubeDeck_Open.jpg

TubeDeck_R5.jpg

tnx
73

5701. Acom 1000 power consumption in stand-by mode?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-05 13:38:40 UTC
From: <f8dql@...>
Topic: 5701 Message: 5701

Hi,
Does anybody know the power consumption of an Acom 1000 in stand-by mode? (amp powered on but not keyed)
73

5702. Re: [acom-list] Acom 1000 power consumption in stand-by mode?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-05 14:29:37 UTC
From: Mike Harris
Topic: 5701 Message: 5702

90W+/-

Regards,

Mike VP8NO

On 05/12/2013 10:38, f8dql@... wrote:
> Hi,
> Does anybody know the power consumption of an Acom 1000 in stand-by mode? (amp powered on but not keyed)
> 73
>

5703. Re: [acom-list] Acom 1000 power consumption in stand-by mode?

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-05 16:14:06 UTC
From: <f8dql@...>
Topic: 5701 Message: 5703

Thank you Mike.
73

5704. Amp did not want to fully start

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-06 01:37:48 UTC
From: K2LS
Topic: 5704 Message: 5704

The other day I went out of the shack and when I returned my 2000A had shutdown and said "Antenna relay closed".

I restarted it a number of times and each time with about 30 seconds to go it said "No Bias", and shutdown.

I turned off the master mains switch and restarted it with no problem.

It has been on and off many times and works flawlessly.

Has anyone else seen this?

Thanks

Larry K2LS

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

5705. Acom 1000 band switch

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-06 09:26:15 UTC
From: <f8dql@...>
Topic: 5705 Message: 5705

Hello,
I am planning to automatize my Acom 1000 amplifier by replacing the 3 knobs by 3 stepper motors.
My concern is that the band switch is to tough to turn with a stepper motor. Instead of modifying the original band switch that I want to keep in case of rollback, I would like to install another one which will be modified to be easily controlled by a stepper motor.
I have asked Acom and they bill a such switch more than 200 € !
Do you know the brand and model of the original switch, or a reference for a compatible one ?
73

5706. Screen Backlighting

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-13 18:23:50 UTC
From: <wes@...>
Topic: 5706 Message: 5706

Hi, Just acquired an ACOM1000 and would appreciate some advice. The amplifier appears to work OK in that I get the expected power out for low power drive input however, the screen is very dark. Following section 5 on page 16 of the manual, after adjustment (see 5-1) the brightness stays at the level set for 20 seconds then goes dark again. I note that to read the auto-protect signatures (see 5-3) the screen is supposed to light up after pressing the OPER button and it does, then goes dark when OPER is pressed again.

Can someone please advise how I get the screen to stay bright?

Also, I see a number of stored auto-protection signatures stored. Is there some way to delete these? I don't see anything in the manual.

Thanks in advance.

Wes GW3RIH.

5707. Re: [acom-list] Screen Backlighting

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-14 05:55:45 UTC
From: Larry Benko
Topic: 5706 Message: 5707

Wes,

My Acom 1000 does not work that way. Holding down the Prev and Next buttons for 3 seconds with the amp on line brings up the LCD menu where you can set contrast and the backlight intensity. Since you are saying the problem is the backlight you need to check out the control PCB. The lower right corner of page 6 of 25 of the schematic shows the microcontroller driving Q7 (FZT749) with a pulse width modulated signal to set the level of the LCD backlight. Does this driving signal go high (backlight off) after 20 sec. or does Q7 no longer work properly? If the signal BLT is correct then the problem is most likely on the LCD itself. I haven't looked at the LCD display closely in a while and don't remember if the backlight is part of the display or not.

73 and GL,
Larry, W0QE

On 12/13/2013 11:23 AM, wes@... wrote:
>
> Hi, Just acquired an ACOM1000 and would appreciate some advice. The
> amplifier appears to work OK in that I get the expected power out for
> low power drive input however, the screen is very dark. Following
> section 5 on page 16 of the manual, after adjustment (see 5-1) the
> brightness stays at the level set for 20 seconds then goes dark again.
> I note that to read the auto-protect signatures (see 5-3) the screen
> is supposed to light up after pressing the OPER button and it does,
> then goes dark when OPER is pressed again.
>
>
> Can someone please advise how I get the screen to stay bright?
>
> Also, I see a number of stored auto-protection signatures stored. Is
> there some way to delete these? I don't see anything in the manual.
>
> Thanks in advance.
>
> Wes GW3RIH.
>

5708. Re: [acom-list] Screen Backlighting

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-14 16:11:42 UTC
From: <wes@...>
Topic: 5706 Message: 5708

Hi Larry,

Thanks for your response. Well, I just followed the manual as I described but then, thought to go on-line after setting the contrast and back-light levels and BINGO, the screen came on and stayed at the levels set! For sure the manual doesn't say to do that but, there it is.

I appreciate your taking the time to respond Larry.

73,

Wes GW3RIH.

5709. Low Bias message

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-15 03:28:41 UTC
From: <giw@...>
Topic: 5709 Message: 5709

Without any warning, and from a cold start, my 4 year old Acom 2000 ran the timer out and tried to start but had a hard shutdown with a low bias message. I waited 15 seconds and turned it on again, it timed out and did the same thing. I waited 5 seconds and for a 3rd time turned it on. This time it went all the way through start up and ran 1300 watts for over 12 hours of use during the 10 meter contest with no problems.

Anyone have any thought about what might be going on. Thanks for your help. Van W4GIW

5710. SB26 message

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-16 14:34:16 UTC
From: Goran SM4DHF
Topic: 5710 Message: 5710

Hi

I have an Acom 1000 and have found messages about the Autoprotection
SB26 problem at startup,
but never found any info about how it was fixed.
Had it for a long time with about 90 seconds left of warmup time and it
always started up the amplifier on the second try
but not anymore!
The faulty code is this:
7ASB26 000000 000006 7BA294 0720DC D77FE3
Has anyone else had this SB26 problem with this code and have some info
of what could be the problem?

73
Goran SM4DHF

Detta epostmeddelande innehåller inget virus eller annan skadlig kod för avast! antivirus
är aktivt.
http://www.avast.com

5711. RE: [acom-list] SB26 message

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-16 21:15:32 UTC
From: Jan
Topic: 5710 Message: 5711

Hi Goran,

Have you tried to contact the people at ACOM, acom@...

They offer an excellent support, with a very short respond time

73

Jan ☐ LB2AG

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Goran SM4DHF
Sent: Monday, December 16, 2013 3:34 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] SB26 message

Hi

I have an Acom 1000 and have found messages about the Autoprotection SB26 problem at startup,
but never found any info about how it was fixed.
Had it for a long time with about 90 seconds left of warmup time and it always started up the amplifier on the second try
but not anymore!
The faulty code is this:
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Has anyone else had this SB26 problem with this code and have some info of what could be the problem?

73
Goran SM4DHF

Detta epostmeddelande innehåller inget virus eller annan skadlig kod för avast! antivirus är aktivt.
http://www.avast.com

5712. Re: [acom-list] SB26 message

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-16 22:08:26 UTC
From: Larry Benko
Topic: 5710 Message: 5712

Goran,

Acom has provided 2 Excel spreadsheets (Acom 1000 Sig.xls and VoltageA1K.xls) that explain the error codes. Your error code is a plate current error of 30mA which occurred during standby or warmup when the tube was biased off but was measured at 30mA per the error code string you sent.

The spreadsheets were sent to me directly from Acom a while back and _not_ marked as do not copy. Contact me directly if you want the spreadsheets.

73,
Larry, W0QE

On 12/16/2013 7:34 AM, Goran SM4DHF wrote:
>
> Hi
>
> I have an Acom 1000 and have found messages about the Autoprotection
> SB26 problem at startup,
> but never found any info about how it was fixed.
> Had it for a long time with about 90 seconds left of warmup time and it
> always started up the amplifier on the second try
> but not anymore!
> The faulty code is this:
> 7ASB26 000000 000006 7BA294 0720DC D77FE3
> Has anyone else had this SB26 problem with this code and have some info
> of what could be the problem?
>
> 73
> Goran SM4DHF
>
> ---
> Detta epostmeddelande inneh?ller inget virus eller annan skadlig kod
> f?r avast! antivirus ?r aktivt.
> http://www.avast.com
>
>

5713. Re: [acom-list] SB26 message

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-18 04:46:59 UTC
From: Goran SM4DHF
Topic: 5710 Message: 5713

Hi Jan
I had sent an email to Acom but the email address listed on their website
gave no response.
The one you gave me gave a fast reply and it seems to be the tube that
has to be replaced.
Asking for prices of a new tube now from a couple of sources.
Ebay is of course a choice also but in what condition are these tubes?

Thanks for the email address.

Goran SM4DHF

Jan skrev 2013-12-16 21:15:
>
> Hi Goran,
>
> Have you tried to contact the people at ACOM, acom@...
> <mailto:acom@...>
>
> They offer an excellent support, with a very short respond time
>
> 73
>
> Jan -- LB2AG
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *On Behalf Of *Goran SM4DHF
> *Sent:* Monday, December 16, 2013 3:34 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* [acom-list] SB26 message
>
> Hi
>
> I have an Acom 1000 and have found messages about the Autoprotection
> SB26 problem at startup,
> but never found any info about how it was fixed.
> Had it for a long time with about 90 seconds left of warmup time and it
> always started up the amplifier on the second try
> but not anymore!
> The faulty code is this:
> 7ASB26 000000 000006 7BA294 0720DC D77FE3
> Has anyone else had this SB26 problem with this code and have some info
> of what could be the problem?
>
> 73
> Goran SM4DHF

>
> ---
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> http://www.avast.com
>
>

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http://www.avast.com

5714. Re: [acom-list] SB26 message

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-18 06:51:23 UTC
From: Larry Benko
Topic: 5710 Message: 5714

Goran,

Don't write of the tube so quickly. The 30mA current that is flowing is not that high. The tube might be slightly gassy and can be brought back to good condition. There are several websites of people who have build test setups to "getter" the tube. Search for "GU-74b gettering". The test setup consists of an adjustable AC voltage source for the filament and a small fan to keep the tube seals cool. Let the tube cook for a day or 2.

73,
Larry, W0QE

On 12/17/2013 9:46 PM, Goran SM4DHF wrote:
>
> Hi Jan
> I had sent an email to Acom but the email address listed on their website
> gave no response.
> The one you gave me gave a fast reply and it seems to be the tube that
> has to be replaced.
> Asking for prices of a new tube now from a couple of sources.
> Ebay is of course a choice also but in what condition are these tubes?
>
> Thanks for the email address.
>
> Goran SM4DHF
>
> Jan skrev 2013-12-16 21:15:
>>
>> Hi Goran,
>>
>> Have you tried to contact the people at ACOM, acom@...
>> <mailto:acom@...>
>>
>> They offer an excellent support, with a very short respond time
>>
>> 73
>>
>> Jan -- LB2AG
>>
>> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
>> *On Behalf Of *Goran SM4DHF
>> *Sent:* Monday, December 16, 2013 3:34 PM
>> *To:* acom-list@yahoogroups.com
>> *Subject:* [acom-list] SB26 message
>>

>> Hi
>>
>> I have an Acom 1000 and have found messages about the Autoprotection
>> SB26 problem at startup,
>> but never found any info about how it was fixed.
>> Had it for a long time with about 90 seconds left of warmup time and it
>> always started up the amplifier on the second try
>> but not anymore!
>> The faulty code is this:
>> 7ASB26 000000 000006 7BA294 0720DC D77FE3
>> Has anyone else had this SB26 problem with this code and have some info
>> of what could be the problem?
>>
>> 73
>> Goran SM4DHF
>>
>> ---
>> Detta epostmeddelande inneh?ller inget virus eller annan skadlig kod
>> f?r avast! antivirus ?r aktivt.
>> http://www.avast.com
>>
>
>
>
> ---
> <http://www.avast.com/>
>
> Detta epostmeddelande inneh?ller inget virus eller annan skadlig kod
> f?r avast! Antivirus <http://www.avast.com/> ?r aktivt.
>
>
>

5715. RE: [acom-list] RE: Acom 1011 problem (IP & F LED flashing)

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-18 15:42:13 UTC
From: Kees - pa7two
Topic: 5669 Message: 5715

Hoi Pleun,

Any progress in problem solving the 1011 unit? Any updates to mention

Please keep us informed?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: pa3hho@...
Date: Sun, 10 Nov 2013 06:25:48 -0800
Subject: [acom-list] RE: Acom 1011 problem (IP & F LED flashing)

Hmmm... LEDs are blinking at about 8Hz speed (not that that matters I reckon). I found that sometimes, the amp seems to work but there's no amplifier gain; TX LED comes on but I DON'T hear the relay from the amp switching and only see (obviously) the input power (around 30W) on the external output meter (after amp). When the relay switches, it goes into protecion. Maybe a relay issue?

---In acom-list@yahoogroups.com, <pa3hho@...> wrote:

My 1011 was working flawlessly until a couple of weeks ago. Even though OPER LED is on after 30 seconds, I normally let it warm up for at least 1 minute or longer. I typically drive it with 30 - 40 Watts for 400W output.
A few weeks ago I noticed that amp went into protection with (yellow) IP LED and (red) F LED flashing at turn at a speed of about 4 Hz and (green) OPER LED is off for a couple of seconds. After that, the amp used to work normal. When I let it warm up for a longer time, in most cases it was working OK directly. Since a few days, it always goes into protection mode as described above.
I've send an email to Acom, hopefully they have an answer. Anybody has an idea what can be the problem?
Kind regards / 73
Pleun (PA3HHO)

5716. Re: [acom-list] Digest Number 1629

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-19 13:57:25 UTC
From: Jay Terleski
Topic: 5716 Message: 5716

Kees,
Just fixed one that had that same plate current error, when keyed but no RF applied.
One of the tubes was bad. Replace the bad tube and readjust the idle current was the fix.
Make sure you have the RF spike modification in your amp as well. It is free from ACOM or your dealer.
Jay, WX0B

On Thu, Dec 19, 2013 at 7:12 AM, <acom-list@yahoogroups.com> wrote:

> [image: Yahoo! Groups] <http://groups.yahoo.com/;_ylc=X3oDMTJkY2xkczBkBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNmdHIEc2xrA2dmcARzdGltZQMxMzg3NDU4NzQ5>
> Acom amp reflector Group <http://groups.yahoo.com/group/acom-list;_ylc=X3oDMTJkcjJhNG4zBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNoZHIEc2xrA2hwaARzdGltZQMxMzg3NDU4NzQ5>
> 1 New Message
> Digest #1629
> 1a
> Re: Acom 1011 problem (IP & F LED flashing) <#1430afc636d7c3e4_1a> by
> "Kees - pa7two" pa7two
>
> Message
> 1a Re: Acom 1011 problem (IP & F LED flashing) <http://groups.yahoo.com/group/acom-list/message/5715;_ylc=X3oDMTJxM2d0Z25uBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzU3MTUEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTM4NzQ1ODc0OQ-->
> Wed Dec 18, 2013 7:42 am (PST) . Posted by: "Kees - pa7two" pa7two <pa7two@...?subject=Re%3A%20Acom%201011%20problem%20%28IP%20%26%20F%20LED%20flashing%29>
> Hoi Pleun,
>
> Any progress in problem solving the 1011 unit? Any updates to mention
>
> Please keep us informed?
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
> To: acom-list@yahoogroups.com
> From: pa3hho@...
> Date: Sun, 10 Nov 2013 06:25:48 -0800
> Subject: [acom-list] RE: Acom 1011 problem (IP & F LED flashing)
>
> Hmmm... LEDs are blinking at about 8Hz speed (not that that matters I

> reckon). I found that sometimes, the amp seems to work but there's no
> amplifier gain; TX LED comes on but I DON'T hear the relay from the amp
> switching and only see (obviously) the input power (around 30W) on the
> external output meter (after amp). When the relay switches, it goes into
> protecion. Maybe a relay issue?
>
>
> ---In acom-list@yahoogroups.com, <pa3hho@...> wrote:
>
> My 1011 was working flawlessly until a couple of weeks ago. Even though
> OPER LED is on after 30 seconds, I normally let it warm up for at least 1
> minute or longer. I typically drive it with 30 - 40 Watts for 400W output.
> A few weeks ago I noticed that amp went into protection with (yellow) IP
> LED and (red) F LED flashing at turn at a speed of about 4 Hz and (green)
> OPER LED is off for a couple of seconds. After that, the amp used to work
> normal. When I let it warm up for a longer time, in most cases it was
> working OK directly. Since a few days, it always goes into protection mode
> as described above.
> I've send an email to Acom, hopefully they have an answer. Anybody has an
> idea what can be the problem?
> Kind regards / 73
> Pleun (PA3HHO)
>
>
> Reply to sender
<pa7two@...?subject=Re%3A%20Acom%201011%20problem%20%28IP%20%26%20F%20LED%20flashing%29> .
Reply to group <acom-list@yahoogroups.com?subject=Re%3A%20Acom%201011%20problem%20%28IP%20
%26%20F%20LED%20flashing%29> . Reply via Web Post <http://groups.yahoo.com/group/acom-list
/post;_ylc=X3oDMTJxbmFidHZjBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1
zZ0lkAzU3MTUEc2VjA2Rtc2cEc2xrA3JwbHkEc3RpbWUDMTM4NzQ1ODc0OQ--?act=reply&messageNum=5715> .
All Messages (3) <http://groups.yahoo.com/group/acom-list/message/5669;_ylc=X3oDMTM1YjA4OW
44BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzU3MTUEc2VjA2Rtc2cE
c2xrA3Z0cGMEc3RpbWUDMTM4NzQ1ODc0OQR0cGNJZAM1NjY5> . Top
> ^ <#1430afc636d7c3e4_toc>
> Visit Your Group <http://groups.yahoo.com/group/acom-list;_ylc=X3oDMTJlbWI4N3Q5BF9TAzk3M
zU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwN2dGwEc2xrA3ZnaHAEc3RpbWUDMTM4NzQ
1ODc0OQ-->
> > <http://groups.yahoo.com/group/acom-list;_ylc=X3oDMTJlbWI4N3Q5BF9TAzk3MzU5NzE1BGdycElk
AzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwN2dGwEc2xrA3ZnaHAEc3RpbWUDMTM4NzQ1ODc0OQ-->
> View All Topics <http://groups.yahoo.com/group/acom-list/messages;_ylc=X3oDMTJmbWc4ZTJyB
F9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNkbXNnBHNsawNhdHBjBHN0aW1
lAzEzODc0NTg3NDk-?xm=1&m=p&tidx=1>
> > <http://groups.yahoo.com/group/acom-list/messages;_ylc=X3oDMTJmbWc4ZTJyBF9TAzk3MzU5NzE
1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNkbXNnBHNsawNhdHBjBHN0aW1lAzEzODc0NTg3N
Dk-?xm=1&m=p&tidx=1>
> Create New Topic <http://groups.yahoo.com/group/acom-list/post;_ylc=X3oDMTJmdHFqcnRvBF9T
Azk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNkbXNnBHNsawNudHBjBHN0aW1lAz
EzODc0NTg3NDk->
> > <http://groups.yahoo.com/group/acom-list/post;_ylc=X3oDMTJmdHFqcnRvBF9TAzk3MzU5NzE1BGd
ycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNkbXNnBHNsawNudHBjBHN0aW1lAzEzODc0NTg3NDk->

> 6 New Members
> <http://groups.yahoo.com/group/acom-list/members;_ylc=X3oDMTJmMmM3aGU4BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwN2dGwEc2xrA3ZtYnJzBHN0aW1lAzEzODc0NTg3NDk-?o=6>
> > <http://groups.yahoo.com/group/acom-list/members;_ylc=X3oDMTJmMmM3aGU4BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwN2dGwEc2xrA3ZtYnJzBHN0aW1lAzEzODc0NTg3NDk-?o=6>
> We are making changes based on your feedback, Thank you !
> Submit Feedback
<ygroupsnotifications@yahoogroups.com?subject=Feedback+on+the+redesigned+daily+digest+v4>
> >
<ygroupsnotifications@yahoogroups.com?subject=Feedback+on+the+redesigned+daily+digest+v4>
> The Yahoo! Groups Product Blog
> Check it out! <http://yahoogroups.tumblr.com/>
> > <http://yahoogroups.tumblr.com/>
> [image: Yahoo! Groups]
> <http://groups.yahoo.com/;_ylc=X3oDMTJkY2xkczBkBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNmdHIEc2xrA2dmcARzdGltZQMxMzg3NDU4NzQ5>
> CHANGE SETTINGS
> <http://groups.yahoo.com/group/acom-list/join;_ylc=X3oDMTJmdnZxdW9xBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNmdHIEc2xrA3N0bmdzBHN0aW1lAzEzODc0NTg3NDk->
> > <http://groups.yahoo.com/group/acom-list/join;_ylc=X3oDMTJmdnZxdW9xBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNmdHIEc2xrA3N0bmdzBHN0aW1lAzEzODc0NTg3NDk->
> TERMS OF USE <http://info.yahoo.com/legal/us/yahoo/utos/terms/>
> > <http://info.yahoo.com/legal/us/yahoo/utos/terms/>
> UNSUBSCRIBE <acom-list-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> > <acom-list-unsubscribe@yahoogroups.com?subject=Unsubscribe>
>

--
Jay Terleski
Array Solutions
214 954 7140

5717. First SB26 then PN07

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-31 15:27:13 UTC
From: Goran SM4DHF
Topic: 5717 Message: 5717

Hi

I have in an earlier post written about the Autoprotection SB26 message
and a fauly coude that inicated 30mA plate current in standby on an Acom
1000.
I have now a friend of mine with the same SB26 and the same faulty code.

Acom suggested to change the tube.
My friend did this a couple of days ago and I changed my tube today and
we get the same new problem.
The amplifier switches off at once indicating PN07.

PN0 is tests made during Power-On procedure, before HV is ON
Protection suffix 7 = hvm high voltage measure

Two amplifiers 30 miles apart with the same problems...

Please any suggestions

thanks
Goran SM4DHF

Detta epostmeddelande innehåller inget virus eller annan skadlig kod för avast! antivirus
är aktivt.
http://www.avast.com

5718. Re: [acom-list] First SB26 then PN07

Yahoo group: acom-list (2010 — 2016)
Date: 2013-12-31 18:32:05 UTC
From: Larry Benko
Topic: 5717 Message: 5718

Goran,

The previous 2 .xls files I sent you have all the info on the fault.
There is something wrong on the hvm analog input to the microprocessor.
The voltage on hvm which is pin4 of JP3 should be 0v before the amp is
turned on. Then it should rise to ~1.76VDC with the HV on. The HV is
divided down via the 3meg resistor and a bunch of other parts as shown
on the schematic. If you really have a hvm failure BEFORE the relays K1
and K2 engage the AC to the HV transformer then the problem should be
super easy to figure out.

73,
Larry, W0QE

On 12/31/2013 8:27 AM, Goran SM4DHF wrote:
>
> Hi
>
> I have in an earlier post written about the Autoprotection SB26 message
> and a fauly coude that inicated 30mA plate current in standby on an Acom
> 1000.
> I have now a friend of mine with the same SB26 and the same faulty code.
>
> Acom suggested to change the tube.
> My friend did this a couple of days ago and I changed my tube today and
> we get the same new problem.
> The amplifier switches off at once indicating PN07.
>
> PN0 is tests made during Power-On procedure, before HV is ON
> Protection suffix 7 = hvm high voltage measure
>
> Two amplifiers 30 miles apart with the same problems...
>
> Please any suggestions
>
> thanks
> Goran SM4DHF
>
> ---
> Detta epostmeddelande inneh?ller inget virus eller annan skadlig kod
> f?r avast! antivirus ?r aktivt.
> http://www.avast.com
>
>

5719. Re: [acom-list] First SB26 then PN07

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-04 11:05:59 UTC
From: Goran SM4DHF
Topic: 5717 Message: 5719

Hi

My Acom 1000 is operational again.
The PN07 was the 2A Fuse F3 on Mains board that was not making good
contact in the holder!
When that was fixed amplifier turned off with 90 seconds left of warm-up
with the SB26 message
which was the problem from the beginning.
With old tube in place measurements now showed 0V on MAINS JP4:1.
Removed the connector on JP4 and
we had voltage on JP4:1
So it must be a short in the tube.
Changed to the new tube and it now worked fine and the BIAS
potentiometers were adjusted and the amplifier
is back in business.
Had some help of a friend with this who had a nice clean work bench,
logical thinking and bright eays to read
the schematics and the small print on the circuit boards!

Goran SM4DHF

Larry Benko skrev 2013-12-31 18:32:
>
> Goran,
>
> The previous 2 .xls files I sent you have all the info on the fault.
> There is something wrong on the hvm analog input to the
> microprocessor. The voltage on hvm which is pin4 of JP3 should be 0v
> before the amp is turned on. Then it should rise to ~1.76VDC with the
> HV on. The HV is divided down via the 3meg resistor and a bunch of
> other parts as shown on the schematic. If you really have a hvm
> failure BEFORE the relays K1 and K2 engage the AC to the HV
> transformer then the problem should be super easy to figure out.
>
> 73,
> Larry, W0QE
>
> On 12/31/2013 8:27 AM, Goran SM4DHF wrote:
>>
>> Hi
>>
>> I have in an earlier post written about the Autoprotection SB26 message
>> and a fauly coude that inicated 30mA plate current in standby on an Acom
>> 1000.
>> I have now a friend of mine with the same SB26 and the same faulty code.
>>

>> Acom suggested to change the tube.
>> My friend did this a couple of days ago and I changed my tube today and
>> we get the same new problem.
>> The amplifier switches off at once indicating PN07.
>>
>> PN0 is tests made during Power-On procedure, before HV is ON
>> Protection suffix 7 = hvm high voltage measure
>>
>> Two amplifiers 30 miles apart with the same problems...
>>
>> Please any suggestions
>>
>> thanks
>> Goran SM4DHF
>>
>> ---
>> Detta epostmeddelande inneh?ller inget virus eller annan skadlig kod
>> f?r avast! antivirus ?r aktivt.
>> http://www.avast.com
>>
>
>

Detta epostmeddelande inneh?ller inget virus eller annan skadlig kod f?r avast! antivirus ?r aktivt.
http://www.avast.com

5720. RE:

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-10 00:12:19 UTC
From: kg4lru@...
Topic: 5720 Message: 5720

Hello!
http://gruca-design.freehost.pl/_20000.luck.to.you_.html?ixuhjcuxu543989

5721. Auto protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-18 16:10:42 UTC
From: <on7ru@...>
Topic: 5721 Message: 5721

Hi, thanks for reading.
My trust Acom 1000 reported an error "auto protection fault PN0B"
Manual says it's the output relay which is closed.

Anyone had this problem before?
Is this a DIY repair?

Just one week before FT5ZM, damn.....

Frank, ON7RU

5722. Re: [acom-list] Auto protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-18 16:34:43 UTC
From: BC and AC
Topic: 5721 Message: 5722

Hello Frank,

I experienced the same problem after receiving a brand new Acom 1000 two months ago. It could be something else of course depending on other error codes you are seeing, but most likely it is a T/R relay failure. I called Acom on the phone and I was asked to run a test to verify the failure by briefly grounding the "Key IN" jack to ground on the back of the amplifier and listening for the relay "clicking" sound. If that still does not key the amplifier then you most likely have a problem with the T/R relay. Either the T/R relay coil is open or the contacts are stuck closed as it was in my case. If your Acom is still under warranty you could just return it for repair or on the other hand you can do it yourself if you are skilled with at working in very tight places. Assuming you have ordered a replacement TR relay from Acom, first you have to take off the top cover and then remove an internal shield plate inside the amplifier to get access to the relay. You will notice three wires soldered to one side of the relay and these have to be very carefully disconnected. The heavier wires on the RF contact side of the relay also need to be disconnected. The next step involves using a special tool needed to remove the recessed nut and washer holding the relay to the chassis. If you don't have one of these special wrenches then removing it can be very difficult and possibly result in damage to the relay or surrounding parts. After going this far in attempting the repair the amplifier myself I decided, after not wanting to damage anything and void my warranty, to send the amplifier back to Array Solutions in Texas, our U.S. Acom distributor. They repaired it and returned it in a few days. So far, no more problems. Good luck and hope you get it back on the air soon. Its a great amplifier.

73, Bob KW4CQ

On 1/18/2014 11:10 AM, on7ru@... wrote:
>
> Hi, thanks for reading.
>
> My trust Acom 1000 reported an error "auto protection fault PN0B"
> Manual says it's the output relay which is closed.
>
> Anyone had this problem before?
> Is this a DIY repair?
>
> Just one week before FT5ZM, damn.....
>
> Frank, ON7RU
>

5723. Re: [acom-list] Auto protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-18 16:55:10 UTC
From: <on7ru@...>
Topic: 5721 Message: 5723

Hi Bob,

Thanks for the quick reply.
Just performed the procedure to check the relay and I don't hear a thing.
So I suppose it's the TR relay.
Have the amp for more then 5 years (and it gave me a lot of new bandpoints), so will send a mail to ACOM and ask for the next steps.

Thanks again Bob, and enjoy the rest of the weekend

73, Frank, ON7RU

5724. Re: [acom-list] Auto protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-18 17:15:48 UTC
From: BC and AC
Topic: 5721 Message: 5724

Glad to help out Frank. I believe Acom changed over to a new manufacturer for the TR relay, which is what I have now in my amplifier. Good luck and I hope you get back in the DX piles ups soon. Like you I am waiting for the FT5 DXpedition to go QRV. I need them myself. hi hi.

73, Bob KW4CQ

On 1/18/2014 11:55 AM, on7ru@... wrote:
>
> Hi Bob,
>
>
> Thanks for the quick reply.
>
> Just performed the procedure to check the relay and I don't hear a thing.
>
> So I suppose it's the TR relay.
>
> Have the amp for more then 5 years (and it gave me a lot of new
> bandpoints), so will send a mail to ACOM and ask for the next steps.
>
>
> Thanks again Bob, and enjoy the rest of the weekend
>
>
> 73, Frank, ON7RU
>
>

5725. Acom 2000A Fails to Start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-19 13:48:30 UTC
From: Terry Burbidge
Topic: 5725 Message: 5725

My Acom 2000A failing to start:

* Power LED on Amp front illuminated
* My callsign appears on RCU when amp switched on
* Depress start button
* RCU begins start-up routine (LEDs illuminate, hear relay operate (click) in amp, RCU attempts to start up; 'TEST' cw message normally ends on the 'T' and..
* Amp and RCU shut down and return to displaying my callsign on RCU

Actions so far:

* Tried a separate mains ring circuit

* Checked mains plug wiring - ok

* Checked for continuity and shorts on pins from RCU to DB9 plug - ok

* Removed back panel of RCU and (carefully) cleaned pins and re-seated plug

Any ideas please?

Cheers,

Terry/G4MKP

5726. amp temperature

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-28 08:57:26 UTC
From: <dxm0vky@...>
Topic: 5726 Message: 5726

morning

i was wondering if there was a minimum working temperature from a cold start up on a acom1000 ???

just curious.

simon m0vky.

5727. RE: amp temperature

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-28 12:53:29 UTC
From: <k5cjl@...>
Topic: 5726 Message: 5727

From the manual....

Operating environment: 0 to 50 Celsius

Carl
K5CJL

5728. RE: acom2000a, Stationmaster, AcomDirector.

Yahoo group: acom-list (2010 — 2016)
Date: 2014-01-31 16:40:11 UTC
From: <robizanna@...>
Topic: 5693 Message: 5728

HI ON4VP,
please let me know if you connect RCU unit (AND acom OF COURSE) with station master as follow :

- DIN CAT of station master to CAT (cannon) of RCU
- RS232 of station master stay free?
- RS232 of ACOM to PC
- RCU : CABLE WITH CANNON AND 2 RCA ---> TO ACOM (CANNON & RCA)

Please let me know.
73 de IZ2ODM

5729. Re: acom2000a, Stationmaster, AcomDirector.

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-01 14:18:01 UTC
From: ON4VP
Topic: 5693 Message: 5729

Hello,

RS232 of Acom 2000a is connected to my computer. Talks with Acom Director 0.70.
CAT OUT from Station Master runs to CAT on back of the remote control unit.
Check to use two 510 Ohm resistors.
KEY IN on the back of the RCU is connected to PTT PA of the Micro keyer II
From the RCU the supplied cable runs to the main unit connection the remote controller and KEY IN/OUT.

73 Phil ON4VP

5730. Re: [acom-list] Re: acom2000a, Stationmaster, AcomDirector.

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-01 18:00:33 UTC
From: Roberto Bianchi
Topic: 5693 Message: 5730

Clear Phil,
Thanks!

Inviato da Yahoo Mail per iPhone (http://overview.mail.yahoo.com?.src=iOS)

5731. ACOM 1000 amplifier with Kenwood TS-590S

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-10 22:44:31 UTC
From: Jim Howard
Topic: 5731 Message: 5731

Greetings!

I read the info posted on the Kenwood Resources Page and wondered if anyone had any updates. I will make a cable connecting pin 2 to ground/shield and pin 4 to tip of the cable going to the amplifier. I'll set menu 53 for the 10ms delay. Any other hints? My ACOM 1000 should arrive tomorrow and I want to be ready!

73,

Jim Howard, W4SDJ

5732. Re: ACOM 1000 amplifier with signalink usb

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-11 15:27:08 UTC
From: Mark Jones
Topic: 5732 Message: 5732

Hi All
I wonder if anyone on here can help i run an icom 756 ,acom 1000 everything works fine with this i use a phono lead as the relay , but when i try to run the amp on rtty using the signalink usb it goes into hot switching no matter what drive i input? Has anyone got any help ideas ?
Thanks in advance

M0UTD
Mark Jones

Sent from my iPhone
Mark

5733. Re: [acom-list] Re: ACOM 1000 amplifier with signalink usb

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-11 22:03:03 UTC
From: Larry Benko
Topic: 5732 Message: 5733

Mark,

This is an easy problem. Something (like the Signalink) is delaying the key line to the amp enough that the amp is being hot keyed. I have an Acom 1000 and it will fault if the RF is present when the amp is keyed. This is a good feature and it protects the amp's QSK relays. This is super easy to verify with a dual trace scope. You have one of these, correct??? This is one of the easiest problems to figure out. Just look at a sample of the RF into the amp and the key line into the amp.

Without a scope you are just guessing. I have made a bunch of these types of measurements at http://www.w0qe.com/amplifier_timing.html and your 756 delays the RF about 9ms after the key line.

73,
Larry, W0QE

On 2/11/2014 8:27 AM, Mark Jones wrote:
>
> Hi All
> I wonder if anyone on here can help i run an icom 756 ,acom 1000
> everything works fine with this i use a phono lead as the relay , but
> when i try to run the amp on rtty using the signalink usb it goes into
> hot switching no matter what drive i input? Has anyone got any help
> ideas ?
> Thanks in advance
>
> M0UTD
> Mark Jones
>
> Sent from my iPhone
> Mark
>
>

5734. ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 13:55:06 UTC
From: <kd4jzy@...>
Topic: 5734 Message: 5734

Is every one in the US aware that the resale price of your amp just tanked drastically. Check out the new pricing on HROs web site.

Randy/N4JZY

5735. ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 14:12:09 UTC
From: W1JCW
Topic: 5734 Message: 5735

I will never sell my Acom 2K ! I've made out my will to have to installed next to me for eternity ! ha !

I see very few of these for sale used, so supply and demand will keep the prices up.

Who wants to sell their Acom 2k ?

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of kd4jzy@...
Sent: Wednesday, February 12, 2014 7:55 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM PRICING

Is every one in the US aware that the resale price of your amp just tanked drastically. Check out the new pricing on HROs web site.

Randy/N4JZY

5736. Re: [acom-list] ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 14:50:36 UTC
From: Larry Stowell
Topic: 5734 Message: 5736

Also Array Solutions (+$50 for the checkout and plug)
I also heard that HRO is not doing the plug?

73, Larry K1ZW

From: kd4jzy@...
Sent: Wednesday, February 12, 2014 8:55 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM PRICING

Is every one in the US aware that the resale price of your amp just tanked drastically.
Check out the new pricing on HROs web site.

Randy/N4JZY

5737. RE: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 16:52:40 UTC
From: <k5cjl@...>
Topic: 5734 Message: 5737

Interesting. Guess they're expecting high volume sales with HRO at those prices. John is right though, used market is thin and value may drop a little but tanking may be an over statement. Bought my 1000 for less than that with a spare tube and have no plans to sell anyway. Carl
K5CJL

5738. RE: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 17:02:00 UTC
From: <kd4jzy@...>
Topic: 5734 Message: 5738

Hi Carl

If you purchased a new 1000 recently you may feel a little different.

Randy/n4jzy

5739. Re: [acom-list] RE: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 17:12:05 UTC
From: Gary Ferdinand
Topic: 5734 Message: 5739

My new 2000A from HRO came without a plug. No biggie.

Gary W2CS

On Feb 12, 2014, at 12:02 PM, <kd4jzy@...> <kd4jzy@...> wrote:

> Hi Carl
>
> If you purchased a new 1000 recently you may feel a little different.
>
> Randy/n4jzy
>
>

5740. ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 17:21:56 UTC
From: W1JCW
Topic: 5734 Message: 5740

Wow -

$1500 off the last price $7995 which increased after ten years!

I remember looking at $7000, then up to $8000 after the new RCU came out.

Now back to $6500.

Wonder if that due to the OM amps being type accepted recently ?

73-

W1JCW

John

5741. Re: [acom-list] ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 17:30:37 UTC
From: Barry N1EU
Topic: 5734 Message: 5741

The comparable OM amp is $8000. The comparable Alpha amp is $8500. So the new Acom pricing seems to be very aggressive.

Barry N1EU

On Wed, Feb 12, 2014 at 12:21 PM, W1JCW <w1jcw@...> wrote:

>
>
>
>
> Wow -
>
>
>
> $1500 off the last price $7995 which increased after ten years!
>
>
>
> I remember looking at $7000, then up to $8000 after the new RCU came out.
>
>
>
> Now back to $6500.
>
>
>
> Wonder if that due to the OM amps being type accepted recently ?
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>

5742. ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 18:42:54 UTC
From: W1JCW
Topic: 5734 Message: 5742

The OM amps look nice and checks out fine, let's see how long it take for OM to come in line with this price drop.

We won't even start a discussion on Alpha and their poor service.

Acom 2k lover !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Barry N1EU
Sent: Wednesday, February 12, 2014 11:31 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM Pricing

The comparable OM amp is $8000. The comparable Alpha amp is $8500. So the new Acom pricing seems to be very aggressive.

Barry N1EU

On Wed, Feb 12, 2014 at 12:21 PM, W1JCW <w1jcw@...> wrote:

Wow -

$1500 off the last price $7995 which increased after ten years!

I remember looking at $7000, then up to $8000 after the new RCU came out.

Now back to $6500.

Wonder if that due to the OM amps being type accepted recently ?

73-

W1JCW

John

5743. Re: ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 22:45:25 UTC
From: James Miller
Topic: 5734 Message: 5743

One also must think is it because they are getting ready to come out with a replacement? A lot of manufacturers will lower their price to deplete stock levels just a question.

73
James K4NNL / DU2UXJ

5744. Re: [acom-list] Re: ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-12 23:02:49 UTC
From: W5OV@...
Topic: 5734 Message: 5744

No - that's not the case with Acom.

They told us that they feel that because of the prices that their amplifiers have been selling at, that they do not sell enough. So, they have cut the prices on all models.

There's more on our web page.

73,

Bob W5OV
Array Solutions
One of TWO Acom Dealers now in USA
http://www.arraysolutions.com

> One also must think is it because they are getting ready to come out with
> a
> replacement? A lot of manufacturers will lower their price to deplete
> stock levels just a question.
>
> 73
> James K4NNL / DU2UXJ
>

5745. Re: [acom-list] Re: ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-13 05:32:30 UTC
From: <aivers30868@...>
Topic: 5734 Message: 5745

I love my ACOM, best AMP I ever owned, used them ALL. ?They do not compare with Alphas, at home and my DX location for contesting they cannot be beat. ?Like the Energzier Bunny--"THEY KEEP GOING AND GOING", and going…..?

JOE W6VNR
ZF2AH (CONTEST FAME)?

-----Original Message-----
From: W5OV@...
Sent: Feb 12, 2014 3:02 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: ACOM Pricing

No - that's not the case with Acom.

They told us that they feel that because of the prices that their amplifiers have been selling at, that they do not sell enough. So, they have cut the prices on all models.

There's more on our web page.

73,

Bob W5OV
Array Solutions
One of TWO Acom Dealers now in USA
http://www.arraysolutions.com

> One also must think is it because they are getting ready to come out with
> a
> replacement? A lot of manufacturers will lower their price to deplete
> stock levels just a question.
>
> 73
> James K4NNL / DU2UXJ
>

5746. Re: [acom-list] ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-13 15:40:25 UTC
From: <howardje@...>
Topic: 5734 Message: 5746

My new ACOM 1000 came two days ago from HRO without the plug or extra packing. A quick trip to Lowe's for a $9 plug and I was all set. The amplifier was shipped in double boxes without any additional packing in between. The package appeared to be the same that HRO received. The box as it was marked 25 of 39 for the Virginia store location.

73,
Jim Howard, W4SDJ

5747. RE: [acom-list] ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-14 05:29:56 UTC
From: Ron Castro
Topic: 5734 Message: 5747

There is an interesting story about all of this on the front page of the Array Solutions website:

www.arraysolutions.com

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of howardje@earthlink.net
Sent: February 13, 2014 7:40 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM PRICING

My new ACOM 1000 came two days ago from HRO without the plug or extra packing. A quick trip to Lowe's for a $9 plug and I was all set. The amplifier was shipped in double boxes without any additional packing in between. The package appeared to be the same that HRO received. The box as it was marked 25 of 39 for the Virginia store location.

73,
Jim Howard, W4SDJ

5748. ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-14 13:17:28 UTC
From: W1JCW
Topic: 5734 Message: 5748

This was posted via this reflector a few days ago from Array.

That was real shady and dirty how Acom corp went to HRO and never consulted Array or gave them a heads up.

I wonder what back room deal was made there, talk about back stabbing a partner.

I'll deal with Array any time. They don't just sell products they offer valuable advice and support other outlets cannot.

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Ron Castro
Sent: Thursday, February 13, 2014 11:30 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM PRICING

There is an interesting story about all of this on the front page of the Array Solutions website:

www.arraysolutions.com

Ron Castro

N6IE

www.N6IE.com <http://www.n6ie.com/>

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of howardje@...
Sent: February 13, 2014 7:40 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM PRICING

My new ACOM 1000 came two days ago from HRO without the plug or extra packing. A quick trip to Lowe's for a $9 plug and I was all set. The amplifier was shipped in double boxes

without any additional packing in between. The package appeared to be the same that HRO received. The box as it was marked 25 of 39 for the Virginia store location.

73,
Jim Howard, W4SDJ

5749. Re: [acom-list] ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-14 18:44:29 UTC
From: Vic Culver
Topic: 5734 Message: 5749

My $.0.02 -- Jay and Bob (at Array Solutions) have provided most excellent service and have displayed patience in resolving issues above and beyond that normally experienced. I am pleased to say that I am enjoying several products they supplied.

It is high time the amateur radio community recognized the threats to our equipment through double-dealing/shady deals on the part of many in the business. Any well-heeled proprietor of a large well-known Amateur Radio retail business who would shut down a manufacturer of a truly superior product that clearly bested anything being sold by that business is undeserving of our support, no matter what the breadth of his product list is, nor the amount he spends on advertising. That kind of dealing should be seen as an affront to all of amateur radio. Same with high volume retailers who can/will cut to the bottom line without providing technical service to support their sales.

Amateurs who are on the lookout for the lowest price for any product no matter what are surely killing our access to quality gear, driving reputable businesses to the brink of bankruptcy.

If ACOM amps can no longer be sold because of undercutting prices by No Service retailers, etc. then we all not only will lose an excellent product, but also we will become slaves to ultimate control of our operations by those bottom-feeders. When you have no choice, no option, for quality gear then you may as well go back to home brew bread-boarded QRP CW operations -- because only those with more money than sense will be able to operate well designed and top-notch stations. It's already happening to many.

Our modern business ethic is evidently get all you can and don't worry about the future -- engineer monopolies and control markets to the detriment of the consumer. Bottom line for the business and Top Line for the 'executives' is what business is all about in these modern times. That's what happens, I guess, when businesses become 'people.' They then display all the base qualities available to any person, with no controlling philosophy for maintaining 'the good.'

I'm glad I'm over the hill. It would surely kill me at an early age to see my beloved avocation destroyed! Vic, W4VIC

5750. Re: [acom-list] ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-14 22:05:42 UTC
From: James Miller
Topic: 5734 Message: 5750

Amen Vic!

I can remember growing up in a small town and there was rumor of a large store coming that would offer a lot and make the town people more competitive all that happened is the small stores close their doors and main street died. The personal touch was gone and you were nothing but a number.

I have purchased several products from Array Solutions and will continue to go to them because of the support they provide no matter the difference in price.

I know of very few companies that will setup and test your equipment prior to it being shipped and add additional packing to ensure it arrives in one piece.

Especially in my case, I live in the Philippines and having something shipped half way around the world only to find out that it does work, no need to go further.

All I can say is Thank You Array Solutions for all that you provide!

James
K4NNL / DU2UXJ

On Sat, Feb 15, 2014 at 2:44 AM, Vic Culver <vic.w4vic@...> wrote:

>
>
> My $.0.02 -- Jay and Bob (at Array Solutions) have provided most
> excellent service and have displayed patience in resolving issues above
> and beyond that normally experienced. I am pleased to say that I am
> enjoying several products they supplied.
>
> It is high time the amateur radio community recognized the threats to
> our equipment through double-dealing/shady deals on the part of many in
> the business. Any well-heeled proprietor of a large well-known Amateur
> Radio retail business who would shut down a manufacturer of a truly
> superior product that clearly bested anything being sold by that
> business is undeserving of our support, no matter what the breadth of
> his product list is, nor the amount he spends on advertising. That kind
> of dealing should be seen as an affront to all of amateur radio. Same
> with high volume retailers who can/will cut to the bottom line without
> providing technical service to support their sales.
>
> Amateurs who are on the lookout for the lowest price for any product no
> matter what are surely killing our access to quality gear, driving

> reputable businesses to the brink of bankruptcy.
>
> If ACOM amps can no longer be sold because of undercutting prices by No
> Service retailers, etc. then we all not only will lose an excellent
> product, but also we will become slaves to ultimate control of our
> operations by those bottom-feeders. When you have no choice, no option,
> for quality gear then you may as well go back to home brew bread-boarded
> QRP CW operations -- because only those with more money than sense will
> be able to operate well designed and top-notch stations. It's already
> happening to many.
>
> Our modern business ethic is evidently get all you can and don't worry
> about the future -- engineer monopolies and control markets to the
> detriment of the consumer. Bottom line for the business and Top Line
> for the 'executives' is what business is all about in these modern
> times. That's what happens, I guess, when businesses become 'people.'
> They then display all the base qualities available to any person, with
> no controlling philosophy for maintaining 'the good.'
>
> I'm glad I'm over the hill. It would surely kill me at an early age to
> see my beloved avocation destroyed! Vic, W4VIC
>
>
>

5751. Re: [acom-list] ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-15 00:10:55 UTC
From: michael m hoffman
Topic: 5734 Message: 5751

Wow, I can’t say enough about the service Array Solutions provides. I shopped and studied prior to my Acom1000 purchase last year. Bob was excellent. He closed the deal with his patience and knowledge. I have the competitor store in my neighborhood. I can honestly say that for the most part they have little if any knowledge on the product line. Typically the center of competence is located on the East coast.
Am I happy about lighting a match to $700+… NO, but I decided the performance and quality justified the prior price. I will have this amp for a very long time.
The new reseller has a long learning curve to come close to Array.

Time will tell…

Mike Hoffman
KF7QLQ

5752. ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-15 00:40:23 UTC
From: K2LS
Topic: 328 Message: 5752

And....

When you need it repaired.. who you gonna call?

Larry

DxPacketcluster node DXC.K2LS.COM spots from NA zones 1-8 only.

5753. Re: [acom-list] Re: ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-15 14:07:31 UTC
From: <k5cjl@...>
Topic: 5734 Message: 5753

Initially I wasn't aware of the facts surrounding this price reduction. I had called Array Solutions to consult with them prior to my used Acom 1000 purchase and Jay was very helpful. I will use and send Array Solutions as much business as possible. I hope others interested in the Acom amps appreciate what they offer in service and expertise when it comes to future sales and service. Carl
K5CJL

5754. RE: [acom-list] Re: ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-15 16:50:34 UTC
From: Ron Castro
Topic: 5734 Message: 5754

A much better move by ACOM would have been to appoint Array Solutions as the USA distributer/service center with HRO as a dealer. Array could also have been a dealer with the understanding that they not undercut HRO or any other US dealer. That way, Array would have been rewarded for their loyalty and risk in establishing the ACOM brand in the US and incentivizing them to continue their sales and service efforts. The end user price may have been a few dollars higher, but it would have ensured a better stock of products, parts and service facilities.

The folks at the ACOM factory in Bulgaria are great engineers and manufacturers and they produce an excellent product, but I suspect that operating in a country that was under Soviet domination for decades has left them with an impaired understanding of free market capitalism and how it works here in the US.

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of k5cjl@...
Sent: February 15, 2014 6:08 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: ACOM Pricing

Initially I wasn't aware of the facts surrounding this price reduction. I had called Array Solutions to consult with them prior to my used Acom 1000 purchase and Jay was very helpful. I will use and send Array Solutions as much business as possible. I hope others interested in the Acom amps appreciate what they offer in service and expertise when it comes to future sales and service.

Carl

K5CJL

5755. Re: [acom-list] Re: ACOM Pricing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-15 17:12:22 UTC
From: K3BF@...
Topic: 5734 Message: 5755

Indeed, Ron. Very well put.

Brucr Felder, K3BF

In a message dated 2/15/2014 10:50:42 A.M. Central Standard Time,
ronc@... writes:

A much better move by ACOM would have been to appoint Array Solutions as
the USA distributer/service center with HRO as a dealer. Array could also
have been a dealer with the understanding that they not undercut HRO or any
other US dealer. That way, Array would have been rewarded for their
loyalty and risk in establishing the ACOM brand in the US and incentivizing them
to continue their sales and service efforts. The end user price may have
been a few dollars higher, but it would have ensured a better stock of
products, parts and service facilities.
The folks at the ACOM factory in Bulgaria are great engineers and
manufacturers and they produce an excellent product, but I suspect that operating
in a country that was under Soviet domination for decades has left them with
an impaired understanding of free market capitalism and how it works here
in the US.

Ron Castro
N6IE
www.N6IE.com (http://www.n6ie.com/)
Member:

5756. 2000A RCU and K3 CAT

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-16 21:42:40 UTC
From: Hank Garretson
Topic: 5756 Message: 5756

Just got the new ACOM 2000A RCU. Hooked it up to my K3 and N1MM Logger using Figure 7-2 CAT Connection by RS-232 Y cable.

Also have the P3. Y cable is between K3 and P3. A RS-232 cable goes from P3 to computer.

K3 baud is set at 38,400.

RCU is set for CAT-K3.

It works with hiccups. 2000A follows K3 frequency. When I change band or band segment, I hear the 2000A stepped motors--just as expected and wanted.

BUT, with K3 sitting on a steady frequency, the ACOM hiccups. At random intervals (for example: 8 seconds, 8 s, 61 s, 10 s, 20 s, 15 s, 23 s, ...) I hear the 2000A stepped motors as if 2000A is changing frequency. RCU frequency segment indication momentarily changes to a different, random frequency segment and then goes back to the right segment.

Seems like a polling issue, but I don't have the foggiest.

Perhaps K3/P3 should be treated as a single unit, and I should put the Y cable between P3 and computer?

Help please. Suggestions?

73,

Hank, W6SX

5757. Re: [acom-list] 2000A RCU and K3 CAT

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-16 21:49:04 UTC
From: Gary Ferdinand
Topic: 5756 Message: 5757

Do you have the K3 set to broadcast its frequency?

On Feb 16, 2014, at 4:42 PM, Hank Garretson <w6sx@...> wrote:

>
> Just got the new ACOM 2000A RCU. Hooked it up to my K3 and N1MM Logger using Figure 7-2 CAT Connection by RS-232 Y cable.
>
> Also have the P3. Y cable is between K3 and P3. A RS-232 cable goes from P3 to computer.
>
> K3 baud is set at 38,400.
>
> RCU is set for CAT-K3.
>
> It works with hiccups. 2000A follows K3 frequency. When I change band or band segment, I hear the 2000A stepped motors--just as expected and wanted.
>
> BUT, with K3 sitting on a steady frequency, the ACOM hiccups. At random intervals (for example: 8 seconds, 8 s, 61 s, 10 s, 20 s, 15 s, 23 s, ...) I hear the 2000A stepped motors as if 2000A is changing frequency. RCU frequency segment indication momentarily changes to a different, random frequency segment and then goes back to the right segment.
>
> Seems like a polling issue, but I don't have the foggiest.
>
> Perhaps K3/P3 should be treated as a single unit, and I should put the Y cable between P3 and computer?
>
> Help please. Suggestions?
>
> 73,
>
> Hank, W6SX
>
>

5758. 2000A new RCU cat control

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-17 15:18:59 UTC
From: K2CB
Topic: 5758 Message: 5758

Does anyone know if the new RCU unit supports remote power on and off? Or is the RP unit still required?

One would think they could have easily integrated the necessary chip to bridge the power control lines to the newer 15-pin multi use port on the newer style controller.

Eric
K2CB

5759. RE: [acom-list] ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-18 13:28:05 UTC
From: Kees - pa7two
Topic: 328 Message: 5759

GostBusters?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: K2LS@...
Date: Fri, 14 Feb 2014 19:40:23 -0500
Subject: [acom-list] ACOM

And....

When you need it repaired.. who you gonna call?

Larry

DxPacketcluster node DXC.K2LS.COM spots from NA zones 1-8
only.

5760. RE: Acom 2000A Fails to Start-up

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-22 09:42:15 UTC
From: <terryburbidge@...>
Topic: 5725 Message: 5760

Problem was a capacitor breaking down on the LV board. All caps on the board replaced. I also got the engineer to do a full power and soak test. Amplifier running sweetly once again and didn't miss a beat on ARRL CW last weekend.
Cheers,
Terry/G4MKP

5761. Take Two: 2000A RCU and K3 CAT

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-22 17:36:12 UTC
From: Hank Garretson
Topic: 5761 Message: 5761

I moved the Y-cable to between the P3 and computer. Everything is now working perfectly. There is stuff going on between the K3 and P3. The computer cable out of the P3 looks like a K3 to both the computer and to the 2000A RCU.

73,

Hank, W6SX

On Sun, Feb 16, 2014 at 1:42 PM, I wrote:

Just got the new ACOM 2000A RCU. Hooked it up to my K3 and N1MM Logger
> using Figure 7-2 CAT Connection by RS-232 Y cable.
>
> Also have the P3. Y cable is between K3 and P3. A RS-232 cable goes from
> P3 to computer.
>
> K3 baud is set at 38,400.
>
> RCU is set for CAT-K3.
>
> It works with hiccups. 2000A follows K3 frequency. When I change band or
> band segment, I hear the 2000A stepped motors--just as expected and wanted.
>
> BUT, with K3 sitting on a steady frequency, the ACOM hiccups. At random
> intervals (for example: 8 seconds, 8 s, 61 s, 10 s, 20 s, 15 s, 23 s, ...)
> I hear the 2000A stepped motors as if 2000A is changing frequency. RCU
> frequency segment indication momentarily changes to a different, random
> frequency segment and then goes back to the right segment.
>
> Seems like a polling issue, but I don't have the foggiest.
>
> Perhaps K3/P3 should be treated as a single unit, and I should put the Y
> cable between P3 and computer?
>
> Help please. Suggestions?
>

5762. Emergency Trip !! Elan Paim

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-25 12:00:12 UTC
From: Elan Paim
Topic: 5762 Message: 5762

I'm sorry for this odd request because it might get to you too urgent but it's due to the situation of things right now. I'm stuck in Manila,Philippines at the moment, I came down to Philippines on an International Convention and Exhibition at world trade center, Everything was going fine until last night when I got robbed at GUN POINT, all cash credit cards and my cell phone were stolen away, it's such a crazy and brutal experience, The authorities are not 100% supportive, the Embassy asked me to come back in three week I can't wait till then, but the good thing is i still have my passport and return ticket saved, Right now I am financially strapped and needs help flying back home, I'm having troubles settling the hotel bills and also getting a cab down to the airport.

Please I need you to loan me some money, I promise to refund you as soon as i'm back home, All i need is (2,550 Pounds) but I will appreciate any amount you can spare.. I'll be waiting to hear back from you on how you can get the funds to me please...

Elan

5763. Re: [acom-list] Emergency Trip !! Elan Paim

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-25 12:13:23 UTC
From: Dick Flanagan
Topic: 5762 Message: 5763

This is obviously a hoax. Nobody fall for it. I'm afraid Mr. Paim got
his e-mail hacked!

--
Dick Flanagan K7VC
dick@...

On 2014-02-25 4:00 AM, Elan Paim wrote:
>
>
> I'm sorry for this odd request because it might get to you too urgent
> but it's due to the situation of things right now. I'm stuck in
> Manila,Philippines at the moment,

5764. RE: [acom-list] Emergency Trip !! Elan Paim

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-25 12:17:18 UTC
From: Jan
Topic: 5762 Message: 5764

Yes, this is a hoax.

It is sent from California, not from Manilla

Here is information about the sender.

Email Sender:

<http://www.ip-adress.com/cbt/Pd?email=paimg0uut%40btinternet.com>
paimg0uut@... [
<http://www.ip-adress.com/cbt/Qd?email=paimg0uut%40btinternet.com> more
info]

IP address:

66.196.81.180

IP address country:

United States

IP address state:

California

IP address city:

Sunnyvale

IP postcode:

94089

IP address latitude:

37.4249

IP address longitude:

-122.0074

ISP of this IP:

Inktomi Corporation

Organization:

Yahoo!

Local Time of this IP country:

2014-02-25 04:13

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Dick Flanagan
Sent: Tuesday, February 25, 2014 1:13 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Emergency Trip !! Elan Paim

This is obviously a hoax. Nobody fall for it. I'm afraid Mr. Paim got his e-mail hacked!

--
Dick Flanagan K7VC
dick@...

On 2014-02-25 4:00 AM, Elan Paim wrote:

I'm sorry for this odd request because it might get to you too urgent but it's due to the situation of things right now. I'm stuck in Manila,Philippines at the moment,

5765. Re: ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-26 08:00:51 UTC
From: <pa3gzt@...>
Topic: 328 Message: 5765

Ghostbusters

5766. Custom 2000a tuning solutions

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-27 03:08:47 UTC
From: Charles J Fontenot
Topic: 5766 Message: 5766

Can someone comment on the way the old RCU for the 2000a memorizes custom tuning for SWR.

The manual for the new RCU states that it will memorize up to 10 custom tunings for each band segment. Can anyone out there confirm that the old RCU can do the same thing?

Thanks,

Charles K5UA

5767. RE: Custom 2000a tuning solutions

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-27 12:10:02 UTC
From: <david_salomon@...>
Topic: 5766 Message: 5767

The original is also 10 custom tunings per segment.

73 - David, AG4F

5768. Re: [acom-list] Custom 2000a tuning solutions

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-27 12:50:49 UTC
From: Jim Cox
Topic: 5766 Message: 5768

Yes, the old RCU operates the same.. There are fixed segments such as 3.5 to 3.6 (example only) and the settings are remembered for each segment.
Jim K4JAF

From: Charles J Fontenot
Sent: Wednesday, February 26, 2014 9:08 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Custom 2000a tuning solutions

Can someone comment on the way the old RCU for the 2000a memorizes custom tuning for SWR.

The manual for the new RCU states that it will memorize up to 10 custom tunings for each band segment. Can anyone out there confirm that the old RCU can do the same thing?

Thanks,

Charles K5UA

5769. Acom 2000A Fascia paint color and source ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-27 14:01:37 UTC
From: ROBERT PRESTON
Topic: 5769 Message: 5769

Hello I am a new member of the group and wonder if anyone has purchased any Touch In paint for the Fascia panel or knows the name of the paint shade ? any help will be appreciated I have emailed Acom but they do not sell the paint thanks in advance Bob.

5770. Re: [acom-list] Acom 2000A Fascia paint color and source ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-27 14:43:55 UTC
From: burbidge terence
Topic: 5769 Message: 5770

Bob,

I was given some paint from a supplier of Acom amps for my Acom 1000 face....the match was sort of ok but not great. I could spot the touch-up easily....someone mentioned this on a decorating forum...might be worth a look....

''Solution #2 - Behr's ColorSmart App

'' I'm glad you asked about this one, I'm a big fan of apps and have found that I can rely on my phone for just about anything these days. And right you are that there is an app for just this purpose. It's called ColorSmart by Behr and my colleague *PatInPaint*<http://community.homedepot.com/t5/user/viewprofilepage/user-id/30>actually did a write-up about this awhile back, ColorSmart by Behr App for iPhone.<http://community.homedepot.com/t5/What-s-New-in-our-Paint-Aisles/ColorSmart-by-Behr-App-for-iPhone/td-p/7695>
''

Cheers,

Terry/G4MKP

On 27 February 2014 14:01, ROBERT PRESTON <bob.preston73@...>wrote:

>
>
> Hello I am a new member of the group and wonder if anyone has purchased
> any Touch In paint for the Fascia panel or knows the name of the paint
> shade ? any help will be appreciated I have emailed Acom but they do not
> sell the paint thanks in advance Bob.
>
>
>

5771. RE: Acom 2000A Fascia paint color and source ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-27 22:08:24 UTC
From: <martins160@...>
Topic: 5769 Message: 5771

Go to a good hobby shop
-or-

WWW.testors.com http://WWW.testors.com
Brand: Testors
bottle number 4797
color name panzer schokladnbraunr 1/2 oz
UPC code 7561113012
price about $3.00 per bottle [1/2 oz]

The paint needs to mixed/shaken very well!!!!! to ensure even color
I used a tooth pick to apply the paint on the scratches. Two coats are
required [thin coats]
When dry it's darker than when wet so don't panic.
At arm's length it is almost invisible and a very close match to the
original color.

Martin ka7gkn

5772. Re: Acom 2000A Fascia paint color and source ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-28 12:58:02 UTC
From: David Aslin
Topic: 5769 Message: 5772

Thanks for posting the tip on fascia paint color. While we are on the subject, how about a color spec for the 2000A case? Anyone had success with hiding case scratches?
73
David G3WGN M6O

5773. Acom 2000A Fascia paint color

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-28 13:04:30 UTC
From: W1JCW
Topic: 5769 Message: 5773

I would like to see a different color for the entire chassis.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of David Aslin
Sent: Friday, February 28, 2014 6:58 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A Fascia paint color and source ?

Thanks for posting the tip on fascia paint color. While we are on the subject, how about a color spec for the 2000A case? Anyone had success with hiding case scratches?

73

David G3WGN M6O

5774. RE: Acom 2000A Fascia paint color and source ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-02-28 14:54:54 UTC
From: <martins160@...>
Topic: 5769 Message: 5774

The paint color information I posted covers the 2000A front color and the RCU color. My 2000A chassis cover behind the the front panel is black.
My ACOM 2000A is 2001 vintage and the color from Testors works fine.
I find ACOM's color pallet very nice.

Martin ka7gkn

5775. PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-01 03:48:41 UTC
From: <mikestraining@...>
Topic: 5775 Message: 5775

I am a new ham and purchased my second hand ACOM 1000 about 6 months ago (Serial 100325)...
Over the past month I've had an intermittent PN27 Error code on warm up...Now it is no longer intermittent and will not warm up without this error...I have searched this group and see that the problem is HVM and could be the R13 resister (see the photo I uploaded).
Can any tell me how to troubleshoot for this error?
Is there a way to confirm that this resistor is the problem or should I just replace it?

Can anyone tell me where I can find a replacement for this resistor? (Part number, vendor, link, etc)
I love this AMP and when I opened the cabinet I was even more impressed with the quality of craftsmanship that went into this piece of equipment...
Thanks...

5776. Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-02 04:02:11 UTC
From: Jay Terleski
Topic: 5775 Message: 5776

The HV measurement circuit is many times the culprit. Depending on your amp manufacture date it may be three 1M ohm resistors or one 3M ceramic film resistor. Either can fail. And it may be that they fail only under high voltage.

Check the little metal film resistor too that is the shunt to ground.

Just replace them and see what happens. If you need a 3M ohm ceramic we have them.

Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

5777. Re: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-02 13:32:11 UTC
From: Michael Tranchina
Topic: 5775 Message: 5777

Thanks Jay,

Just to be safe, I will replace both resisters...Can you give me the resister number for the small metal film resister that is the shunt to ground? Is it R14A?

Thanks,
Michael-K0SS

On Sat, Mar 1, 2014 at 11:02 PM, Jay Terleski <jayt@...>wrote:

>
>
> The HV measurement circuit is many times the culprit. Depending on your
> amp manufacture date it may be three 1M ohm resistors or one 3M ceramic
> film resistor. Either can fail. And it may be that they fail only under
> high voltage.
>
> Check the little metal film resistor too that is the shunt to ground.
>
> Just replace them and see what happens. If you need a 3M ohm ceramic we
> have them.
>
> Jay, WX0B
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
>
>

5778. ACOM 2000 Remove/Reduce Drive Power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-02 14:46:59 UTC
From: Bruce McLain
Topic: 5778 Message: 5778

I am getting an error message to Remove and Reduce Drive power every time I transmit even though I am using less than 10 watts to drive the amp.

Any suggestions on what the problem might be?

Bruce McLain - K5WBM

5779. Re: [acom-list] ACOM 2000 Remove/Reduce Drive Power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-02 15:19:49 UTC
From: Hank Garretson
Topic: 5778 Message: 5779

Are you perhaps inadvertently in the TUNE (user-defined segment) mode?

73,

Hank, W6SX

On Sun, Mar 2, 2014 at 6:46 AM, Bruce McLain <bruce.mclain@...> wrote:

>
>
> I am getting an error message to Remove and Reduce Drive power every
> time I transmit even though I am using less than 10 watts to drive the
> amp.
>

5780. Autoprotection PN2B

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-03 16:34:17 UTC
From: TM
Topic: 5780 Message: 5780

I own an ACOM 1000 Amp and yesterday, during the ARRL SSB Test, the Amp stopps working.
The Code in the Display shows Auto-Protection PN2B

The Error Codes are as follows

1APN2B 000000 000000 1B9E92 0560DE D76F80

2APN2B 000000 000000 2BA193 0560DE D76FBE

3APN2B 000000 000000 3BA199 0560DE D76FB4

4APN2B 000000 000000 4BA19A 0560DE D76FB7

5APN2B 000000 000000 5BA19A 0560DE D76FB7

6ATR6B 000000 000300 6BA79A 7720DE D77FD5

7ATR6B 010000 060300 7BA8AA 7720DE D77FED

Before I will give the Amp to the local Dealer, could anyone tell me, what the error

could be?
Perhaps a new tube?

vy73 Tom DJ7ZZ

5781. Re: [acom-list] Autoprotection PN2B

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-03 16:55:10 UTC
From: Mike Harris
Topic: 5780 Message: 5781

PN2B seems to be pointing to antenna relay contact closed whilst in receive.

Regards,

Mike VP8NO

On 03/03/2014 13:34, TM wrote:
>
>
> I own an ACOM 1000 Amp and yesterday, during the ARRL SSB Test, the Amp stopps
> working.
> The Code in the Display shows Auto-Protection PN2B
>
> The Error Codes are as follows
>
> 1APN2B 000000 000000 1B9E92 0560DE D76F80
>
> 2APN2B 000000 000000 2BA193 0560DE D76FBE
>
> 3APN2B 000000 000000 3BA199 0560DE D76FB4
>
> 4APN2B 000000 000000 4BA19A 0560DE D76FB7
>
> 5APN2B 000000 000000 5BA19A 0560DE D76FB7
>
> 6ATR6B 000000 000300 6BA79A 7720DE D77FD5
>
> 7ATR6B 010000 060300 7BA8AA 7720DE D77FED
>
> Before I will give the Amp to the local Dealer, could anyone tell me, what the error
>
> could be?
> Perhaps a new tube?
>
> vy73 Tom DJ7ZZ
>
>
>
>

5782. Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-03 17:30:12 UTC
From: Jay Terleski
Topic: 5775 Message: 5782

Schematics, and some other 2000A documents are here. Let me know if it doesn't work.

www.arraysolutions.com/Downloads/Acom/2000A_Schematics.zip

--
Jay Terleski
Array Solutions
214 954 7140

5783. Re: [acom-list] Autoprotection PN2B

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-03 17:39:10 UTC
From: <mikestraining@...>
Topic: 5780 Message: 5783

Hello Mike, If you search this group for the term "ORC", the posts that come up will give you some insight as to what the problem might be and how to troubleshoot it...
Also, do a Google web search on "Acom 1000 sig.xls"...This spreadsheet will help you understand the codes...

Michael-K0SS

5784. Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-03 17:44:45 UTC
From: <mikestraining@...>
Topic: 5775 Message: 5784

Thanks Jay...You sent me schematics for the ACOM 2000... I need them for the ACOM 1000...

Thanks again...
Michael-K0SS

5785. Re: ACOM 2000 Remove/Reduce Drive Power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-04 02:05:05 UTC
From: Bruce McLain
Topic: 5778 Message: 5785

I tried it on multiple bands. I also tried to do the auto tune procedure and get the same error.

Bruce McLain - K5WBM

5786. RE: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-05 11:36:22 UTC
From: Bob Naumann
Topic: 5775 Message: 5786

Try this one:

http://www.arraysolutions.com/Downloads/Acom/Tech_CD_Zipfiles/Acom1000TechCD.zip

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of mikestraining@...
Sent: Monday, March 03, 2014 11:45 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Thanks Jay...You sent me schematics for the ACOM 2000...

I need them for the ACOM 1000...

Thanks again...

Michael-K0SS

5787. Re: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-05 12:33:00 UTC
From: Mike Harris
Topic: 5775 Message: 5787

Windows is reporting 247MB for this file, surely not. That is about 35%
of my monthly download package. Can you confirm please.

Regards,

Mike VP8NO

On 05/03/2014 08:36, Bob Naumann wrote:
> Try this one:
>
>
>
> http://www.arraysolutions.com/Downloads/Acom/Tech_CD_Zipfiles/Acom1000TechCD.zip
>
>
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of
mikestraining@...
> Sent: Monday, March 03, 2014 11:45 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor
>
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>
> Thanks Jay...You sent me schematics for the ACOM 2000...
>
> I need them for the ACOM 1000...
>
> Thanks again...
>
> Michael-K0SS
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5788. Re: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-05 13:03:02 UTC
From: Dick Flanagan
Topic: 5775 Message: 5788

I can put it on a CD and mail it to you. Might take awhile....

--
Dick Flanagan K7VC
dick@...

On 2014-03-05 4:33 AM, Mike Harris wrote:
> Windows is reporting 247MB for this file, surely not. That is about 35%
> of my monthly download package. Can you confirm please.
>
> Regards,
>
> Mike VP8NO
>
> On 05/03/2014 08:36, Bob Naumann wrote:
>> Try this one:
>>
>>
>>
>> http://www.arraysolutions.com/Downloads/Acom/Tech_CD_Zipfiles/Acom1000TechCD.zip
>>
>>
>>
>>
>>
>> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of
mikestraining@...
>> Sent: Monday, March 03, 2014 11:45 AM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor
>>
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>> Thanks Jay...You sent me schematics for the ACOM 2000...
>>
>> I need them for the ACOM 1000...
>>
>> Thanks again...
>>
>> Michael-K0SS
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> Yahoo Groups Links
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5789. RE: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-05 13:23:30 UTC
From: Bob Naumann
Topic: 5775 Message: 5789

That's the entire 1000 Tech CD so I suspect that amount is correct.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Mike Harris
Sent: Wednesday, March 05, 2014 6:33 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor

Windows is reporting 247MB for this file, surely not. That is about 35%
of my monthly download package. Can you confirm please.

Regards,

Mike VP8NO

On 05/03/2014 08:36, Bob Naumann wrote:
> Try this one:
>
>
>
> http://www.arraysolutions.com/Downloads/Acom/Tech_CD_Zipfiles/Acom1000TechCD.zip
>
>
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of mikestraining@...
> Sent: Monday, March 03, 2014 11:45 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: PN27 Error Troubleshooting and Source for R13 3M Resistor
>
>
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>
>
> Thanks Jay...You sent me schematics for the ACOM 2000...
>
> I need them for the ACOM 1000...
>
> Thanks again...
>
> Michael-K0SS
>

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Yahoo Groups Links

5790. Power light on front of Amp.

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-08 03:24:08 UTC
From: <nz4z@...>
Topic: 5790 Message: 5790

I just received my Acom 2000a today......hooked it up.....it's working, power going out......BUT....the light on the front of the amp is off??? Any idea?

5791. RE: [acom-list] Power light on front of Amp.

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-08 11:07:41 UTC
From: Bob Naumann
Topic: 5790 Message: 5791

As I recall from 14 or 15 years ago when I got mine and had the same thing happen, the LED may have just popped out of the holder during shipping.

Of course, there’s no harm in that and no hurry to correct it, so when you feel like it, unplug the power, take the cover off and just pop it back in place.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of nz4z@...
Sent: Friday, March 07, 2014 9:24 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Power light on front of Amp.

I just received my Acom 2000a today......hooked it up.....it's working, power going out......BUT....the light on the front of the amp is off??? Any idea?

5792. RE: Acom 2000A Fascia paint color and source ? Reply from Acom fascia color is RAL8019.

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-08 19:26:22 UTC
From: <bob.preston73@...>
Topic: 5769 Message: 5792

Hi after my post about the Acom 2000a Fascia color I have had an Email from ACOM and they confirm that the correct color for the fascia is RAL8019 its available from Life Color in a 22ml bottle LC-UA809 Brown and several other makes hope this helps anyone who needs to touch in a chip or scratch Bob G1EGL.

5793. Acom 2s1 Schematic

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-09 13:18:34 UTC
From: Richard Thorne
Topic: 5793 Message: 5793

I'm looking at the 2s1 for possible integration into my station.

I'm trying to track down the schematic to see how to connect a pair of K3's.

Where can I find it or can someone send me a copy? It does not appear
in the manual.

Thanks

Rich - N5ZC

5794. Troubleshooting "IP=xxxMA SHOULD BE ZERO"

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-09 18:44:34 UTC
From: <barry.n1eu@...>
Topic: 5794 Message: 5794

Does anyone have the instructions/drawings from Acom that are intended to help troubleshoot "IP=xxxMA SHOULD BE ZERO" being displayed at power on after hitting OPR? I know I need to check R14, but the instructions/drawings would be appreciated.

If you have the info, please either email it to me or post to the files section and let us know.

Thanks & 73,
Barry N1EU

5795. Re: [acom-list] Acom 2s1 Schematic

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-10 00:19:47 UTC
From: Dave Hawes
Topic: 5793 Message: 5795

Rich,

The 2S1 does not directly integrate with K3s. It is designed specifically
for Yaesu radios.

Not to say that it won't work with K3s, but you will have to build an
interface for each K3 that converts the TX Inhibit signal from what the 2S1
provides to what the K3 needs.

73 - Dave N3RD

On Sun, Mar 9, 2014 at 9:18 AM, Richard Thorne <rthorne@...> wrote:

> I'm looking at the 2s1 for possible integration into my station.
>
> I'm trying to track down the schematic to see how to connect a pair of
> K3's.
>
> Where can I find it or can someone send me a copy? It does not appear
> in the manual.
>
> Thanks
>
> Rich - N5ZC
>
>
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> Yahoo Groups Links
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5796. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-10 14:18:29 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 5796

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Troubleshooting Instructions /IP=XXXma SHOULD BE ZERO/IP Should be Zero.PDF
Uploaded by : N1EU <barry.n1eu@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/group/acom-list/files/Troubleshooting%20Instructions%20%20/IP%3DXXXma%20SHOULD%20BE%20ZERO/IP%20Should%20be%20Zero.PDF

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

N1EU <barry.n1eu@...>

5797. A2000: connect new RCU to A2000S

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-16 09:14:00 UTC
From: <lx1no@...>
Topic: 5797 Message: 5797

Hi,

I set-up a new A2000 and encountered a problem to connect the new RCU to the A2000S switch.

It used to work with the old A2000. Now, in order to connect to the new RCU, I had to add a male/male adapter to the old cable. But, it doesn't work. The RCU does not switch antennas. They are defined on the RCU and are shown correctly on the display when I switch bands. I didn't find anything within the parameters that indicates something has to be "switched on" first.

Any help?

73 Norby

5798. Re: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-17 16:20:51 UTC
From: <w1srd@...>
Topic: 5734 Message: 5798

I am big time pissed. I just bought a 2000A from AS 4 months ago and am now out $1450.
A truly clueless move on Acom's part. This is such a small market. Price cutting will not result in enough additional sales to make any real top line difference.
Not that many Acom owners sell their amps (still a great product), but we've all had our asset devalued about a thousand bucks.
73,
Steve
W1SRd

5799. Re: [acom-list] Re: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-17 17:51:41 UTC
From: Bill NY9H
Topic: 5734 Message: 5799

i wonder if by adding a dealer...caused the lower profit margins,,,
hence the lower price ???

or how much, if any did the ACOM to dealer cost go down ?
versus ACOM setting the market to sell it for
less , with less profit ?? due to more dealer competition???,

bill who still loves his 2000...

At 12:20 PM 3/17/2014, you wrote:

>I am big time pissed. I just bought a 2000A from
>AS 4 months ago and am now out $1450.
>A truly clueless move on Acom's part. This is
>such a small market. Price cutting will not
>result in enough additional sales to make any real top line difference.
>Not that many Acom owners sell their amps (still
>a great product), but we've all had our asset devalued about a thousand bucks.
>73,
>Steve
>W1SRd
>
>

5800. Lower price

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-17 18:47:10 UTC
From: K2LS
Topic: 5800 Message: 5800

Steve,

When you need service on your amp... guess who you have to send it to...?

Yes... Array Solutions....

ACOM did a real nasty thing.

I just got my amp back from Array Solutions..... Great service!

73 Larry DxPacketcluster node DXC.K2LS.COM spots from NA zones 1-8
only.

5801. Re: [acom-list] Lower price

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-18 00:52:19 UTC
From: C Allen Baker
Topic: 5800 Message: 5801

I think being sorry to see a lower price dictated by the manufacturer after we purchased at the former higher price is something we would all feel. No quarrel with those feelings if directed towards the manufacturer where the decision was made...not the former distributor.

As far as Array Solutions is concerned, I think Jay and Bob were elegant in deciding to continue to service Acom gear after the manufacturer slapped them in the face by handing the biz to HRO.. One should remember how Array solutions stepped in to remedy Acom service issues when Array first took on the distributorship. Acom garnered substantial goodwill from US hams during Array Solutions exclusive distributorship. I am most thankful that Array will continue to service Acom amps. My 2000A has run flawlessly for over 10 years whereas my 87as have about one failure every 2 years. When it comes time to add another amp you can bet I will look to Array Solutions as I do for all my antennas and accessories.

73 de Al, W5IZ

On Monday, March 17, 2014 3:09 PM, K2LS <K2LS@...> wrote:

Steve,

When you need service on your amp... guess who you have to send
it to...?

Yes... Array Solutions....

ACOM did a real nasty thing.

I just got my amp back from Array Solutions..... Great service!

73 Larry DxPacketcluster node DXC.K2LS.COM spots from NA
zones 1-8 only.

5802. Re: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-18 15:07:29 UTC
From: <aardvark@...>
Topic: 5734 Message: 5802

W1SRD, you are not alone. I bought an Acom 1500 last May and love it. Would I have liked to save $750 by buying today? Sure. But, bottom line, the price change will not affect how I feel about this amp or how it performs.

As to resale value, it appears my Acom 1011, which has given flawless service, has been discontinued. This, along with the lukewarm reviews on eHam leaves me with an amp that will be difficult to sell and for far less than the resale value before it was discontinued.

Acom was remiss in how they treated Array Solutions. To blindside your primary distributor, who is also your service center was a foolish move. Acom may sell a few more amps by adding HRO, but they may have been able to sell more by simply lowering the price.

The ability to speak with Bob, W5OV, at Array Solutions and have my questions answered is worth far more than talking to a salesman at another dealer. I'll continue to favor Array Solutions with my business when I need to make a purchase.

73

Ron
NY0A

5803. RE: [acom-list] Re: ACOM PRICING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-18 20:59:25 UTC
From: Kees - pa7two
Topic: 5734 Message: 5803

Just my two cents on the matter from an more European vision:

I was stunned by the fact that Acom came to market with the Acom 1011 in general. Tubes are very very hard to get here in Europe and a pair of matched tubes in comparison to one single GU74B tube with as end result a **less** rugged & **less** RF output striked me out completely. Fortunately Acom kept on producing the Acom 1010 at least for sale in our part of the world.
(Side note: If Acom would have considered for the Acom 1010 to add a vacuum relais and the 50MHz band option, they would have produced most likely their best selling amplifier ever. Despite email conversations with the factory unfortunately this design change did not make it to the market.)

Just like the Acom 1500, the Acom 1011 were clearly designed for the USA market. Solely on the availability of tubes alone, here in Europe we favour by far the Russian made tube tubes. Beside the availability, these tubes are darn cheap, extremely rugged, produces easily lots of RF Watt in a properly build amplifier etc. Not sure if the lack of availability of these Russian type tubes drove Acom to produce the Acom 1500 model with it current tube choice though... (disclaimer :-))
An Acom 1500 model based on a GU43B tube in example therefore kept on being a (wet) dream up to today.

With regards pricing: We see a price drop in Europe as well. Think about it like this: Not bad if you wanna buy a new amplifier in these economical difficult times! Does that lower the 'usability' value I give to a previously purchased amplifier? Hell no! Acom is and remains the VERY best builder of amplifiers one can buy these days and now available at even a lower price, simply superb! I hope Acom can sell even more units and survives the economic set back we all sufffer from.

Some thought for the mind: We cannot "afford" not to have Acom around in the HAM RF amplifier market!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: aardvark@...
Date: Tue, 18 Mar 2014 08:07:29 -0700
Subject: [acom-list] Re: ACOM PRICING

W1SRD, you are not alone. I bought an Acom 1500 last May and love it. Would I have liked to save $750 by buying today? Sure. But, bottom line, the price change will not affect how I feel about this amp or how it performs.

As to resale value, it appears my Acom 1011, which has given flawless service, has been discontinued. This, along with the lukewarm reviews on eHam leaves me with an amp that will

be difficult to sell and for far less than the resale value before it was discontinued.

Acom was remiss in how they treated Array Solutions. To blindside your primary distributor, who is also your service center was a foolish move. Acom may sell a few more amps by adding HRO, but they may have been able to sell more by simply lowering the price.

The ability to speak with Bob, W5OV, at Array Solutions and have my questions answered is worth far more than talking to a salesman at another dealer. I'll continue to favor Array Solutions with my business when I need to make a purchase.

73

Ron
NY0A

5804. Re: Lower price

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-20 21:10:51 UTC
From: <w1srd@...>
Topic: 5800 Message: 5804

I am very glad to see AS sticking with Acom in spite of the HRO deal.
I hope it stays that way.
I also hope my 2000's never need service :-).
73,
Steve
W1SRD

5805. Re: [acom-list] Re: Lower price

Yahoo group: acom-list (2010 — 2016)
Date: 2014-03-31 09:13:09 UTC
From: Dick Flanagan
Topic: 5800 Message: 5805

When your Acom needs board-level service, who ya gonna call, HRO?Yeah, right.

Array-Solutions has earned my business the hard way--by earning and deserving it.

--
Dick Flanagan K7VC
dickflanagan@...

On 2014-03-20 2:10 PM, w1srd@... wrote:
>
>
> I am very glad to see AS sticking with Acom in spite of the HRO deal.
> I hope it stays that way.
> I also hope my 2000's never need service :-).
> 73,
> Steve
> W1SRD
>
>

5806. Re: [acom-list] Re: Lower price

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-01 01:23:04 UTC
From: <aivers30868@...>
Topic: 5800 Message: 5806

HE is ABSOLUTELY CORRECT, ARRAY SOLUTIONS IS A WAVE ABOVE HRO IN SERVICE, oh .....when did HRO service anything?

Joe, w6vnr, zf2ah

-----Original Message-----
From: Dick Flanagan
Sent: Mar 31, 2014 4:13 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Lower price

When your Acom needs board-level service, who ya gonna call, HRO?Yeah, right.

Array-Solutions has earned my business the hard way--by earning and deserving it.

--
Dick Flanagan K7VC
dickflanagan@...

On 2014-03-20 2:10 PM, w1srd@... wrote:
>
>
> I am very glad to see AS sticking with Acom in spite of the HRO deal.
> I hope it stays that way.
> I also hope my 2000's never need service :-).
> 73,
> Steve
> W1SRD
>
>

5807. Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-06 19:35:43 UTC
From: <mikestraining@...>
Topic: 5807 Message: 5807

I have an ACOM 1000 that errors out with PN27 within a second of warming up...(This indicates a the high voltage is either above 3300 volts or below 2000volts...)

This happens without fail every Saturday and Sunday morning from about 4:00am to 8:00am...(I do not have the exact times)...

I have verified that the Amp is set up for 240V. I have checked the incoming 240 Voltage and it's between 244-246V. I have take the advice of my very experienced HAM buddies and have asked Florida Power and Light to come out and install and datalogger onto my meter to see if we can measure anything that might be causing this consistent error on weekend mornings.

Prior to seeing this pattern I opened up the AMP and together with a very experienced HAM checked for a failed component....We found nothing and are both convinced that the AMP is fine...

This error happened again this weekend and I am anxious to see what the data logger shows tomorrow morning to see if we can see anything that might might be causing this...

Here's my question...Assuming that my incoming 240V is slightly higher in the early weekend mornings, and assuming that this slight increase in voltage is causing this error message, does anyone know (Jay maybe), if there is a way for me to adjust either the firmware or hardware slightly so that my AMP does not continue to trip like this on the weekends?

There must be a way to make an adjustment so that this nuisance alarm stops.

Any ideas?

Thanks!
73 K0SS

5808. Re: [acom-list] Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-06 20:33:51 UTC
From: VU3UPZ
Topic: 5807 Message: 5808

Dear OM,

According to Val from ACOM, amp can withstand up to 10% voltage fluctuations, that means it can withstand up to 240+24V, so you are in safe limit, please check for other issues may cause!

Kind 73s de

VU3UPZ Vikas from A7

On Sunday, April 6, 2014, <mikestraining@...> wrote:

>
>
> I have an ACOM 1000 that errors out with PN27 within a second of warming
> up...(This indicates a the high voltage is either above 3300 volts or below
> 2000volts...)
>
> This happens without fail every Saturday and Sunday morning from about
> 4:00am to 8:00am...(I do not have the exact times)...
>
> I have verified that the Amp is set up for 240V. I have checked the
> incoming 240 Voltage and it's between 244-246V. I have take the advice of
> my very experienced HAM buddies and have asked Florida Power and Light to
> come out and install and datalogger onto my meter to see if we can measure
> anything that might be causing this consistent error on weekend mornings.
>
> Prior to seeing this pattern I opened up the AMP and together with a very
> experienced HAM checked for a failed component....We found nothing and are
> both convinced that the AMP is fine...
>
> This error happened again this weekend and I am anxious to see what the
> data logger shows tomorrow morning to see if we can see anything that might
> might be causing this...
>
> Here's my question...Assuming that my incoming 240V is slightly higher in
> the early weekend mornings, and assuming that this slight increase in
> voltage is causing this error message, does anyone know (Jay maybe), if
> there is a way for me to adjust either the firmware or hardware slightly so
> that my AMP does not continue to trip like this on the weekends?
>
> There must be a way to make an adjustment so that this nuisance alarm
> stops.
> Any ideas?
>
> Thanks!

> 73 K0SS
>
>
>
>

--
Vikas Vasudevan
Doha - The State of Qatar
http://facebook.com/vikasvasudevanmib
http://www.qrz.com/db/vu3upz

5809. PN07 Fault with Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-06 23:41:16 UTC
From: <N2Len@...>
Topic: 5809 Message: 5809

I am hoping you can offer some assistance with a PN07 fault that just happened on my Acom 1000 amplifier.
Symptoms....

1: Powered up Acom 1000
2: Both 10 Amp 250 Volt fuses blew
3: Internal 2 Amp 250 Volt F3 fuse blew
4: Replaced the 3 fuses. Amplifier powered up. Internal F3 fuse blew again, PN07 fault on display.
5: Quick inspection clearly shows the top of capacitor C5 (3300 25 volt) bulging.
Has anyone experienced a similar fault with the internal fuse F3 blowing?

Much appreciated..
Len N2LEN

5810. RE: [acom-list] Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 08:26:52 UTC
From: Kees - pa7two
Topic: 5807 Message: 5810

That is, if the correct setting in the amp itself is selected for the mains!

Standard should be wired for 240 Volt, although I have one that was shipped with 220volt setting... On a 240v mains, this can cause the warning.

Easy to check inside the Acom amp, on the internal view of the top cover is the wiring diagram present.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: vu3upz@gmail.com
Date: Sun, 6 Apr 2014 23:33:51 +0300
Subject: Re: [acom-list] Acom 1000 PN27 Error cause from power company...

Dear OM,

According to Val from ACOM, amp can withstand up to 10% voltage fluctuations, that means it can withstand up to 240+24V, so you are in safe limit, please check for other issues may cause!

Kind 73s de
VU3UPZ Vikas from A7

On Sunday, April 6, 2014, <mikestraining@gmail.com> wrote:

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This happens without fail every Saturday and Sunday morning from about 4:00am to 8:00am...(I do not have the exact times)...

I have verified that the Amp is set up for 240V. I have checked the incoming 240 Voltage and it's between 244-246V. I have take the advice of my very experienced HAM buddies and have asked Florida Power and Light to come out and install and datalogger onto my meter to see if we can measure anything that might be causing this consistent error on weekend mornings.

Prior to seeing this pattern I opened up the AMP and together with a very experienced HAM checked for a failed component....We found nothing and are both convinced that the AMP is fine...
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Here's my question...Assuming that my incoming 240V is slightly higher in the early weekend mornings, and assuming that this slight increase in voltage is causing this error message, does anyone know (Jay maybe), if there is a way for me to adjust either the firmware or hardware slightly so that my AMP does not continue to trip like this on the weekends?

There must be a way to make an adjustment so that this nuisance alarm stops.
Any ideas?

Thanks!73 K0SS

--
Vikas Vasudevan
Doha - The State of Qatar
http://facebook.com/vikasvasudevanmib

http://www.qrz.com/db/vu3upz

5811. Acom 2000a new color RCU for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 11:11:09 UTC
From: ON4VP
Topic: 5811 Message: 5811

Hello

I like to inform the group that I'm selling my Acom 2000a with new color RCU.
Purchased at Vine UK november 2012, waranty until nov. 2014 Tubes are almost new.
Not many hours on the clock. Non smoker, showroom condition.
comes with all boxes, manual and I do have a special made cable for Station Master by Microham and serial cable for Acom director remote controlling via internet or network.

Pse mail me off list for info or price.
I'm willing to ship but only with UPS + Insurance to have both parties secured and save.

73 Phil.

5812. Re: Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 11:43:07 UTC
From: <mikestraining@...>
Topic: 5807 Message: 5812

Yes, I have verified that it is set up for 240V... It's definitely being caused by my input voltage...I'm just not sure if the AMP is overly sensitive to a very some kind of transient increase in voltage that only happens on early Saturday and Early Sunday mornings and is causing the PN27 error...
It would be nice if there was an adjustment inside my amp to eliminate this problem...The AMP has plenty of headroom regarding voltage fluctuations...So all I would need is to somehow raise the alarm level a bit higher, assuming that it's my AMP being overly sensititve for some reason...

K0SS

5813. Acom 2000a new color RCU for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 12:46:32 UTC
From: W1JCW
Topic: 5811 Message: 5813

Phil -

How are we to contact you will no email address or call indicated in this email.

73-

W1JCW@...

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ON4VP
Sent: Monday, April 07, 2014 6:11 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000a new color RCU for sale

Hello

I like to inform the group that I'm selling my Acom 2000a with new color RCU.

Purchased at Vine UK november 2012, waranty until nov. 2014 Tubes are almost new.

Not many hours on the clock. Non smoker, showroom condition.

comes with all boxes, manual and I do have a special made cable for Station Master by Microham and serial cable for Acom director remote controlling via internet or network.

Pse mail me off list for info or price.

I'm willing to ship but only with UPS + Insurance to have both parties secured and save.

73 Phil.

5814. Re: [acom-list] Acom 2000a new color RCU for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:15:49 UTC
From: Barry N1EU
Topic: 5811 Message: 5814

John, his email address is in the message header, on4vp@...

73, Barry N1EU

On Mon, Apr 7, 2014 at 12:46 PM, W1JCW <w1jcw@...> wrote:

>
>
> Phil -
>
>
>
> How are we to contact you will no email address or call indicated in this
> email.
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>
>
> 73-
>
> W1JCW@...
>
> John
>
>
>
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>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] *On
> Behalf Of *ON4VP
> *Sent:* Monday, April 07, 2014 6:11 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* [acom-list] Acom 2000a new color RCU for sale
>
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>
> Hello
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>
> I like to inform the group that I'm selling my Acom 2000a with new color
> RCU.
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> Not many hours on the clock. Non smoker, showroom condition.
>
> comes with all boxes, manual and I do have a special made cable for
> Station Master by Microham and serial cable for Acom director remote
> controlling via internet or network.
>
>
>
> Pse mail me off list for info or price.
>
> I'm willing to ship but only with UPS + Insurance to have both parties
> secured and save.
>
>
>
> 73 Phil.
>
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>

5815. Re: [acom-list] Acom 2000a new color RCU for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:16:20 UTC
From: Callum the Web Boss
Topic: 5811 Message: 5815

on4vp@...

Callum McCormick
Founder
-barclayjames.co.uk

I'm on iPhone, message might be short.

On 7 Apr 2014, at 13:46, W1JCW <w1jcw@hotmail.com> wrote:

Phil -

How are we to contact you will no email address or call indicated in this email.

73-

W1JCW@...

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of ON4VP
Sent: Monday, April 07, 2014 6:11 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000a new color RCU for sale

Hello

I like to inform the group that I'm selling my Acom 2000a with new color RCU.

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comes with all boxes, manual and I do have a special made cable for Station Master by Microham and serial cable for Acom director remote controlling via internet or network.

Pse mail me off list for info or price.

I'm willing to ship but only with UPS + Insurance to have both parties secured and save.

73 Phil.

5816. Where to get GU74B NOS IN US

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:31:33 UTC
From: <rtosby@...>
Topic: 5816 Message: 5816

I recently got a 1010 and would like to get a spate tube. Is there a source in the Us?

Dick W9IV

5817. RE: [acom-list] Where to get GU74B NOS IN US

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:39:26 UTC
From: Bob Naumann
Topic: 5816 Message: 5817

http://www.arraysolutions.com

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of rtosby@...
Sent: Monday, April 07, 2014 8:32 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Where to get GU74B NOS IN US

I recently got a 1010 and would like to get a spate tube. Is there a source in the Us?

Dick W9IV

5818. RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:40:28 UTC
From: Bob Naumann
Topic: 5807 Message: 5818

If you check carefully in the manual, there is a “soft” setting to address this issue.

I don’t have access to the manual from here, but it’s in there.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of mikestraining@...
Sent: Monday, April 07, 2014 6:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yes, I have verified that it is set up for 240V...

It's definitely being caused by my input voltage...I'm just not sure if the AMP is overly sensitive to a very some kind of transient increase in voltage that only happens on early Saturday and Early Sunday mornings and is causing the PN27 error...

It would be nice if there was an adjustment inside my amp to eliminate this problem...The AMP has plenty of headroom regarding voltage fluctuations...So all I would need is to somehow raise the alarm level a bit higher, assuming that it's my AMP being overly sensititve for some reason...

K0SS

5819. RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:44:19 UTC
From: Kees - pa7two
Topic: 5807 Message: 5819

Please share, as I am not aware this is present in an ACOM 1000?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Mon, 7 Apr 2014 08:40:28 -0500
Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

If you check carefully in the manual, there is a “soft” setting to address this issue. I don’t have access to the manual from here, but it’s in there. 73, Bob W5OV From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of mikestraining@...
Sent: Monday, April 07, 2014 6:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

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K0SS

5820. Re: [acom-list] Where to get GU74B NOS IN US

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:51:49 UTC
From: Richard Tosby
Topic: 5816 Message: 5820

I will try them.

Thx
W9IV

> On Apr 7, 2014, at 8:39 AM, "Bob Naumann" <W5OV@...> wrote:
>
> http://www.arraysolutions.com
>
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>
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>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of rtosby@...
> Sent: Monday, April 07, 2014 8:32 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Where to get GU74B NOS IN US
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> I recently got a 1010 and would like to get a spate tube. Is there a source in the Us?
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> Dick W9IV
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5821. Re: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 13:59:27 UTC
From: Larry Stowell
Topic: 5807 Message: 5821

All
Look at the top of page 15

73, Larry K1ZW

From: Kees - pa7two
Sent: Monday, April 07, 2014 9:44 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Please share, as I am not aware this is present in an ACOM 1000?

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Mon, 7 Apr 2014 08:40:28 -0500
Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

If you check carefully in the manual, there is a ?soft? setting to address this issue.

I don?t have access to the manual from here, but it?s in there.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of mikestraining@...
Sent: Monday, April 07, 2014 6:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yes, I have verified that it is set up for 240V...

It's definitely being caused by my input voltage...I'm just not sure if the AMP is overly sensitive to a very some kind of transient increase in voltage that only happens on early Saturday and Early Sunday mornings and is causing the PN27 error...

It would be nice if there was an adjustment inside my amp to eliminate this problem...The AMP has plenty of headroom regarding voltage fluctuations...So all I would need is to somehow raise the alarm level a bit higher, assuming that it's my AMP being overly sensititve for some reason...

K0SS

[Non-text portions of this message have been removed]

5822. Re: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 14:19:05 UTC
From: Michael Tranchina
Topic: 5807 Message: 5822

Larry, Is this what you are referring to? If so, does anyone know how to safely adjust these "software derived protections"?

The PLATE CAPACITIVE DIVIDER and RF WATTMETER are the main sources of information for the control circuit of the amplifier during the antenna impedance matching process. The control circuit is based on the 80C552 micro-controller from Philips.
All voltages are delivered from the MAINS&LOW VOLTAGE and HIGH VOLTAGE SUPPLY PCBs. The control grid, screen grid and plate currents, plate cooling airflow temperature, reflected power etc. are permanently monitored. Many software-derived protections are based on this information.
* Detailed electrical schematic diagrams are available from ACOM or from your dealer on request.

K0SS

On Mon, Apr 7, 2014 at 9:59 AM, Larry Stowell <lclarks@...> wrote:

> All
> Look at the top of page 15
>
>
> 73, Larry K1ZW
>
>
> From: Kees - pa7two
> Sent: Monday, April 07, 2014 9:44 AM
> To: ACOM Reflector site
> Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power
> company...
>
>
>
> Please share, as I am not aware this is present in an ACOM 1000?
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
>
> DX IS and CW RULES!Twitter: @PA7TWO
>
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> --
> To: acom-list@yahoogroups.com

> From: W5OV@...
> Date: Mon, 7 Apr 2014 08:40:28 -0500
> Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power
> company...
>
>
>
> If you check carefully in the manual, there is a "soft" setting to address
> this issue.
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> I don't have access to the manual from here, but it's in there.
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> 73,
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> Bob W5OV
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>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On
> Behalf Of mikestraining@...
> Sent: Monday, April 07, 2014 6:43 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 1000 PN27 Error cause from power company...
>
>
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>
> Yes, I have verified that it is set up for 240V...
>
> It's definitely being caused by my input voltage...I'm just not sure if
> the AMP is overly sensitive to a very some kind of transient increase in
> voltage that only happens on early Saturday and Early Sunday mornings and
> is causing the PN27 error...
>
> It would be nice if there was an adjustment inside my amp to eliminate
> this problem...The AMP has plenty of headroom regarding voltage
> fluctuations...So all I would need is to somehow raise the alarm level a
> bit higher, assuming that it's my AMP being overly sensititve for some
> reason...
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> K0SS
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> [Non-text portions of this message have been removed]
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> Yahoo Groups Links
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5823. Re: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-07 17:30:02 UTC
From: Larry Stowell
Topic: 5807 Message: 5823

No Michael
maybe it didn't come through on my email the manual says the following

”you might use the off center tuning hint also to compensate for mains voltage variations in order to maintain to efficiency: tuned to the right
when the mains is higher, or tune to the left if it's lower than the nominal voltage. Please see S.2-2 (line voltage selection) for more than 10% difference
from nominal."

73 Larry K1ZW

From: Michael Tranchina
Sent: Monday, April 07, 2014 10:19 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Larry, Is this what you are referring to? If so, does anyone know how to safely adjust these "software derived protections"?

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impedance matching process. The control circuit is based on the 80C552 micro-controller from Philips.
All voltages are delivered from the MAINS&LOW VOLTAGE and HIGH VOLTAGE SUPPLY PCBs. The control grid, screen grid and plate currents,
plate cooling airflow temperature, reflected power etc. are permanently monitored. Many software-derived protections are based on this information.
* Detailed electrical schematic diagrams are available from ACOM or from your dealer on request.

K0SS

On Mon, Apr 7, 2014 at 9:59 AM, Larry Stowell <lclarks@....com> wrote:

All
Look at the top of page 15

73, Larry K1ZW

From: Kees - pa7two
Sent: Monday, April 07, 2014 9:44 AM
To: ACOM Reflector site
Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Please share, as I am not aware this is present in an ACOM 1000?

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Mon, 7 Apr 2014 08:40:28 -0500
Subject: RE: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

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Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of mikestraining@...
Sent: Monday, April 07, 2014 6:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 PN27 Error cause from power company...

Yes, I have verified that it is set up for 240V...

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It would be nice if there was an adjustment inside my amp to eliminate this problem...The AMP has plenty of headroom regarding voltage fluctuations...So all I would need is to somehow raise the alarm level a bit higher, assuming that it's my AMP being overly sensititve for some reason...

K0SS

[Non-text portions of this message have been removed]

Yahoo Groups Links

5824. 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 01:19:40 UTC
From: David Strout
Topic: 5824 Message: 5824

Can't locate the technical supplement.
Does anyone have success with wiring the RS-232
DB9 so that the ACOM reads the xmit freq and
changes bands w/o having to first detect rf?
Software used: WriteLog and DX4WIN.
O/S = Win XP
Tnx, Dave, W2YC

5825. Re: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 09:13:28 UTC
From: Barry N1EU
Topic: 5824 Message: 5825

You need more than a serial connection to the Acom - you need software support as well. Does WriteLog or DX4WIN directly support the Acom amp? The software I know of that supports Acom directly includes TRX-Mgr and DDUtil.

73, Barry N1EU

On Thu, Apr 17, 2014 at 1:19 AM, David Strout <djsatty@comcast.net> wrote:

>
>
> Can't locate the technical supplement.
> Does anyone have success with wiring the RS-232
> DB9 so that the ACOM reads the xmit freq and
> changes bands w/o having to first detect rf?
> Software used: WriteLog and DX4WIN.
> O/S = Win XP
> Tnx, Dave, W2YC
>
>
>
>

5826. Re: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 09:39:35 UTC
From: David Strout
Topic: 5824 Message: 5826

Tnx, Barry...
As I read the specs for ddutil, it is designed to work only
qith the Flex xcvrs. Anyone else get ddutil to work
with the ACOM 2000A with a Yaesu rig?
Dave, W2YC
----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Thursday, April 17, 2014 09:13
Subject: Re: [acom-list] 2000A

You need more than a serial connection to the Acom - you need software support as well. Does WriteLog or DX4WIN directly support the Acom amp? The software I know of that supports Acom directly includes TRX-Mgr and DDUtil.

73, Barry N1EU

On Thu, Apr 17, 2014 at 1:19 AM, David Strout <djsatty@...> wrote:

Can't locate the technical supplement.
Does anyone have success with wiring the RS-232
DB9 so that the ACOM reads the xmit freq and
changes bands w/o having to first detect rf?
Software used: WriteLog and DX4WIN.
O/S = Win XP
Tnx, Dave, W2YC

5827. Re: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 14:17:38 UTC
From: <npalex@...>
Topic: 5824 Message: 5827

I do not think it is possible to directly change bands with CAT control using the old Remote. The new Remote unit does accept Icom codes and I believe others as well for band change commands.
Norm W4QN

5828. RE: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 14:56:10 UTC
From: Callum the Web Boss
Topic: 5824 Message: 5828

Hi Folks,

>>> I do not think it is possible to directly change bands with CAT control

I've just has an SMS message from James M0YOM (creator of the Acom Director software).

I asked him, "Is it possible to tell an ACOM 2000 to change freq via CAT..?"

His response was "Yes".

Of course, "possible" is very different to "how" :)

Callum (M0MCX)

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of npalex@...
Sent: 17 April 2014 15:18
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A

I do not think it is possible to directly change bands with CAT control using the old Remote. The new Remote unit does accept Icom codes and I believe others as well for band change commands.
Norm W4QN

5829. Re: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 15:17:20 UTC
From: Barry N1EU
Topic: 5824 Message: 5829

Both the apps I mentioned previously will change bands, frequency, standby
and also control the Acom Antenna Switch.

Barry N1EU

On Thu, Apr 17, 2014 at 2:17 PM, <npalex@...> wrote:

>
>
> I do not think it is possible to directly change bands with CAT control
> using the old Remote. The new Remote unit does accept Icom codes and I
> believe others as well for band change commands.
> Norm W4QN
>
>

5830. RE: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-17 22:52:12 UTC
From: James Thresher
Topic: 5824 Message: 5830

Thanks Callum,

To confirm, it is certainly possible to have the ACOM 2000 change frequency with the radio, although not through a direct connection from the CAT connection on the radio to the ACOM.

As Callum mentioned, my own software ACOM Director can do this if you are using Logger32 (I'm working on adding additional support for other packages).

As Barry N1EU points out there are at least a couple of other software packages that support this too.

If anyone is into developing your own software and wants to know how to do tell the ACOM 2000 to switch frequencies, drop me a line and I'll send you some info.

James M0YOM

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of Callum the Web Boss
Sent: 17 April 2014 15:56
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 2000A

Hi Folks,

>>> I do not think it is possible to directly change bands with CAT control

I've just has an SMS message from James M0YOM (creator of the Acom Director software).

I asked him, "Is it possible to tell an ACOM 2000 to change freq via CAT..?"

His response was "Yes".

Of course, "possible" is very different to "how" :)

Callum (M0MCX)

From: <mailto:acom-list@yahoogroups.com> acom-list@yahoogroups.com [<mailto:acom-list@yahoogroups.com> mailto:acom-list@yahoogroups.com] On Behalf Of <mailto:npalex@...> npalex@...
Sent: 17 April 2014 15:18
To: <mailto:acom-list@yahoogroups.com> acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A

I do not think it is possible to directly change bands with CAT control using the old Remote. The new Remote unit does accept Icom codes and I believe others as well for band change commands.
Norm W4QN

5831. Re: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-18 11:29:01 UTC
From: <david_salomon@...>
Topic: 5824 Message: 5831

"I do not think it is possible to directly change bands with CAT control using the old Remote."

I have been doing this for quite some time - it works fine. I have a CI-V connection between the Acom and my station. I use TRX-Acom working with TRX-Manager software. It works perfectly.

5832. RE: [acom-list] 2000A/ N4PY software

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-18 13:57:20 UTC
From: AB2E Darrell
Topic: 5824 Message: 5832

Hi everyone,
I just confirmed via email with N4PY that his software lets the Acom track with the rig, and will interface at the same time with N1MM for contest logging. You can follow up with him any additional details. His website is www.n4py.com .
I have no interest in the company.
73 Darrell AB2E

"Hi Darrell,

Yes, my N4PY Icom program for your 756 ProIII will control the Acom 2000 through it's serial port and requires a USB to serial converter connection from a USB port on your computer to the DB9 on the Acom. These converters are available on the internet and cost between $10 and $40.

My software also can work at the same time with N1MM. And you can simply have my software running in the background. The interface between N4PY and N1MM is made with a pair of virtual serial ports. You make the virtual serial ports with VSPManager which is a simple free program. See below for the full instructions.

Yes, please announce this on the Acom reflector. I have had this interface for several years so I assume my support matches the original Acom interface.

Also, I do not have any support for the Yaesu FT1000D.

Third Party Logging Programs

There is a third party logging program interface. If you have a logging program such as N1MM that does not support the Tentec file interface, you can use this port in conjunction with VSP Manager's virtual comport driver to get the third party logging program to work with your radio and this program at the same time. First, you need to install the virtual comport driver. You can get it at www.n4py.com. It is on the "Previous Versions" page at the bottom.

Once this virtual comport driver is installed, it will give you a pair of comports to use. Use VSP Manager to define
these comport pairs. In your logging program, set it for one of these comports and select a radio type of Kenwood TS-570 (Kenwood TS-50 for HRD).
Set the other comport in the USR5 settings window for the Third Party Logging Comport. Also turn on the check box "Third Party Logging Comport".
After these changes are made, exit and restart the program. Your third party logging program should now see the N4PY Icom program as though it

was a Kenwood TS-570, regardless of the actual radio you are using.

Acom 2000 Amplifier

There are special Acom 2000 settings in the "Usr5 TrnsV, Steppir"
settings window. Here you will find an "Acom 2000 Comport" check
box and comport list box. If you are using the Acom 2000
Amplifier this is where you define the comport number for the
amplifier. The program will run the comport at 1200 baud and
send frequency information to the Acom 2000 amplifier. Connect the
serial cable to the Acom amplifier serial connection. The serial cable
must be a null modem cable and only use pins 2, 3, and 5. That is to
say that pin 2 on one end goes to pin 3 on the other and vice versa.
This will cause the Acom 2000 to follow the frequency of the radio
without the need to transmit to set the frequency. Once you have made
these changes to the program settings, exit and restart the program
for these changes to take full effect.

Now when you start the program, go to the "Call Sign, TopTen" settings
window. Here you will see a line that is labelled "Acom 2000".
There is a "Oper" button. Clicking this will cause the button to turn
red and set the amplifier in operate mode. Clicking it again will
cause the button to go back to black and put the amplifier back in
standby mode.

73,

Carl Moreschi N4PY
58 Hogwood Rd
Louisburg, NC 27549
www.n4py.com

On 4/18/2014 12:38 AM, ab2e@comcast.net wrote:
> Greetings OM,
> I've been looking to find software for the Acom 2000A to track the xcvr
> frequency.
> Can you explain in more detail how your system works?
> Could it be interfaced as well with the major contest programs
> (particularly N1MM and Writelog?).
> I'm guessing it needs the DB9 serial null modem cable coming from the
> amp? Can it be used with the original RCU?
>
> My setup:
> Icom 756 Pro III (alternately Yaesu FT-1000D)
>
> to
>
> Acom 2000A (old RCU).
>
> For instance, could your software be running, then operate with it using
> N1MM in a contest?
>

> With your permission, I will forward your reply to the Acom reflector,
> there are currently a number of us there who are looking for this solution.
> Thanks and 73,
> Darrell AB2E
>

To: acom-list@yahoogroups.com
CC: colabrese@comcast.net; ab2e@comcast.net
From: djsatty@comcast.net
Date: Thu, 17 Apr 2014 09:39:35 +0000
Subject: Re: [acom-list] 2000A

☐

Tnx, Barry...
As I read the specs for ddutil, it is designed to work
only
qith the Flex xcvrs. Anyone else get ddutil to
work
with the ACOM 2000A with a Yaesu rig?
Dave, W2YC

----- Original Message -----
From:
Barry
N1EU
To: acom-list@yahoogroups.com
Sent: Thursday, April 17, 2014
09:13
Subject: Re: [acom-list] 2000A

You need more than a serial connection to the Acom - you need software
support as well. Does WriteLog or DX4WIN directly support the Acom
amp? The software I know of that supports Acom directly includes TRX-Mgr
and DDUtil.

73, Barry N1EU

On Thu, Apr 17, 2014 at 1:19 AM, David Strout <djsatty@comcast.net> wrote:

Can't locate the technical supplement.
Does anyone have success with wiring the
RS-232
DB9 so that the ACOM reads the xmit freq and
changes bands w/o having to first detect rf?
Software used: WriteLog and DX4WIN.
O/S = Win XP
Tnx, Dave, W2YC

5833. Re: [acom-list] 2000A/ N4PY software

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-18 14:40:09 UTC
From: David Strout
Topic: 5824 Message: 5833

Doesn't help me, Darrell..... using FT-1000MP at stn 1...think it would work with the Yeasu FT-2000 at stn 2.
Tnx,
Dave, W2YC
----- Original Message -----
From: AB2E Darrell
To: Acom List
Cc: WA2TML ; ab2e@comcast.net
Sent: Friday, April 18, 2014 13:57
Subject: RE: [acom-list] 2000A/ N4PY software

Hi everyone,
I just confirmed via email with N4PY that his software lets the Acom track with the rig, and will interface at the same time with N1MM for contest logging. You can follow up with him any additional details. His website is www.n4py.com .
I have no interest in the company.
73 Darrell AB2E

"Hi Darrell,

Yes, my N4PY Icom program for your 756 ProIII will control the Acom 2000 through it's serial port and requires a USB to serial converter connection from a USB port on your computer to the DB9 on the Acom. These converters are available on the internet and cost between $10 and $40.

My software also can work at the same time with N1MM. And you can simply have my software running in the background. The interface between N4PY and N1MM is made with a pair of virtual serial ports. You make the virtual serial ports with VSPManager which is a simple free program. See below for the full instructions.

Yes, please announce this on the Acom reflector. I have had this interface for several years so I assume my support matches the original Acom interface.

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There is a third party logging program interface. If you have a logging program such as N1MM that does not support the Tentec file interface, you can use this port in conjunction with VSP Manager's virtual comport driver to get the third party logging program to work with your radio and this program at the same time. First, you need to install the virtual comport driver. You can get it at www.n4py.com. It is on the "Previous Versions" page at the bottom.

Once this virtual comport driver is installed, it will give you a pair of comports to use. Use VSP Manager to define
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Set the other comport in the USR5 settings window for the Third Party Logging Comport. Also turn on the check box "Third Party Logging Comport".
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Now when you start the program, go to the "Call Sign, TopTen" settings window. Here you will see a line that is labelled "Acom 2000".
There is a "Oper" button. Clicking this will cause the button to turn red and set the amplifier in operate mode. Clicking it again will cause the button to go back to black and put the amplifier back in standby mode.

73,

Carl Moreschi N4PY
58 Hogwood Rd
Louisburg, NC 27549
www.n4py.com

On 4/18/2014 12:38 AM, ab2e@... wrote:
> Greetings OM,
> I've been looking to find software for the Acom 2000A to track the xcvr
> frequency.
> Can you explain in more detail how your system works?
> Could it be interfaced as well with the major contest programs
> (particularly N1MM and Writelog?).
> I'm guessing it needs the DB9 serial null modem cable coming from the
> amp? Can it be used with the original RCU?
>
> My setup:

> Icom 756 Pro III (alternately Yaesu FT-1000D)
>
> to
>
> Acom 2000A (old RCU).
>
> For instance, could your software be running, then operate with it using
> N1MM in a contest?
>
> With your permission, I will forward your reply to the Acom reflector,
> there are currently a number of us there who are looking for this solution.
> Thanks and 73,
> Darrell AB2E
>

To: acom-list@yahoogroups.com
CC: colabrese@comcast.net; ab2e@...
From: djsatty@...
Date: Thu, 17 Apr 2014 09:39:35 +0000
Subject: Re: [acom-list] 2000A

☐

Tnx, Barry...
As I read the specs for ddutil, it is designed to work only
qith the Flex xcvrs. Anyone else get ddutil to work
with the ACOM 2000A with a Yaesu rig?
Dave, W2YC
----- Original Message -----
From: Barry N1EU
To: acom-list@yahoogroups.com
Sent: Thursday, April 17, 2014 09:13
Subject: Re: [acom-list] 2000A

You need more than a serial connection to the Acom - you need software support as well. Does WriteLog or DX4WIN directly support the Acom amp? The software I know of that supports Acom directly includes TRX-Mgr and DDUtil.

73, Barry N1EU

On Thu, Apr 17, 2014 at 1:19 AM, David Strout <djsatty@...> wrote:

Can't locate the technical supplement.
Does anyone have success with wiring the RS-232
DB9 so that the ACOM reads the xmit freq and
changes bands w/o having to first detect rf?
Software used: WriteLog and DX4WIN.
O/S = Win XP
Tnx, Dave, W2YC

5834. Re: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-19 09:40:57 UTC
From: Zoli Pitman HA1AG
Topic: 5824 Message: 5834

Hello Dave,

Did you get any answer to your original question about where to find/get
the Technical Supplement?

It is like the Loch Ness monster - everybody talks about it but it is
nowhere to find ?

73!

Zoli HA1AG

On 04/17/2014 03:19, David Strout wrote:
>
> Can't locate the technical supplement.
> Does anyone have success with wiring the RS-232
> DB9 so that the ACOM reads the xmit freq and
> changes bands w/o having to first detect rf?
> Software used: WriteLog and DX4WIN.
> O/S = Win XP
> Tnx, Dave, W2YC
>

5835. RE: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-19 10:22:57 UTC
From: Bob Naumann
Topic: 5824 Message: 5835

From the Array Solutions Acom FAQ page:

http://www.arraysolutions.com/Products/Acomfaq.htm

Remote control software for the Acom 2000 ?

The Acom 2000A is capable of being used in a remote station. Acom does not offer nor support any third party software solutions.

The Acom RPON (Remote Power ON) optional module will enable you to remotely turn the amplifier on and off.

The following software packages claim to work with the Acom 2000A:

Name URL

TRX-Manager http://www.trx-manager.com/

DDUTIL http://k5fr.com/ddutilwiki/index.php?title=Latest_Revision

Acom Director www.m0yom.co.uk <http://www.m0yom.co.uk/>

Neither Acom nor Array Solutions supports these applications with the Acom 2000A, but we can tell you that users have reported that they have been successful in implementing them.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of David Strout
Sent: Wednesday, April 16, 2014 8:20 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A

Can't locate the technical supplement.

Does anyone have success with wiring the RS-232

DB9 so that the ACOM reads the xmit freq and

changes bands w/o having to first detect rf?

Software used: WriteLog and DX4WIN.

O/S = Win XP

Tnx, Dave, W2YC

5836. RE: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-19 10:28:45 UTC
From: Bob Naumann
Topic: 5824 Message: 5836

And finally, every 2000A that has ever been made can be upgraded with the new RCU.

http://www.arraysolutions.com/Acom/NEWRCU.htm

This device provides direct capability to control the amplifier from Icom, Kenwood, Yaesu, Elecraft, et al, radios without any 3rd party software.

New Acom 2000A RCU <http://www.arraysolutions.com/Acom/NEWRCU.htm> - to upgrade your older 2000A

$799.00

http://www.arraysolutions.com/pricelist.htm#ACOM

Bob W5OV

Array Solutions

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of David Strout
Sent: Wednesday, April 16, 2014 8:20 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A

Can't locate the technical supplement.

Does anyone have success with wiring the RS-232

DB9 so that the ACOM reads the xmit freq and

changes bands w/o having to first detect rf?

Software used: WriteLog and DX4WIN.

O/S = Win XP

Tnx, Dave, W2YC

5837. RE: [acom-list] 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-19 19:14:23 UTC
From: Máximo EA1DDO_HK1H
Topic: 5824 Message: 5837

Hi all,

The only real remote option I know for Acom-2000A is the RC-1216H from the RemoteRig team;

http://www.remoterig.com/wp/?page_id=1010#tabs-2

If that small device you will get full remote use from your Acom-2000A using internet.
And you need no extra software since it is web access.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: W5OV@...
Date: Sat, 19 Apr 2014 05:22:57 -0500
Subject: RE: [acom-list] 2000A

From the Array Solutions Acom FAQ page: http://www.arraysolutions.com/Products/Acomfaq.htm Remote control software for the Acom 2000 ? The Acom 2000A is capable of being used in a remote station. Acom does not offer nor support any third party software solutions. The Acom RPON (Remote Power ON) optional module will enable you to remotely turn the amplifier on and off. The following software packages claim to work with the Acom 2000A: Name URL TRX-Manager http://www.trx-manager.com/ DDUTIL http://k5fr.com/ddutilwiki/index.php?title=Latest_Revision Acom Director www.m0yom.co.ukNeither Acom nor Array Solutions supports these applications with the Acom 2000A, but we can tell you that users have reported that they have been successful in implementing them. From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of David Strout
Sent: Wednesday, April 16, 2014 8:20 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A

Can't locate the technical supplement.Does anyone have success with wiring the RS-232DB9 so that the ACOM reads the xmit freq andchanges bands w/o having to first detect rf?Software used: WriteLog and DX4WIN.O/S = Win XPTnx, Dave, W2YC

5838. ACOM 1000 PN2B Protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-22 07:21:01 UTC
From: <thorsten.meirich@...>
Topic: 5838 Message: 5838

Hi to all,
some weeks ago I had an ATR6 Error during the receiving period in a QSO.
After Switch Off/On the Amp does not start anymore. PN2B Auto Protection.
A few days later the Amp started without problems and work well for 2 weeks. Now the error is the same. I tested the amp and see, that there is a 3.5 Ohm Resistance between Ant Out and Chassis.
I looked behind the frot panel and switched off JP1 from the Wattmeter PCB. The Amp started well and after
warm-up period I switched to Operate and put the PTT to chassis. The Protection was HOT Switching. I put the JP1 Cable back and put the amp together. Now the PN2B Protection Error is here again.
At the moment I have the Amp in my cable chain and it works in bypass mode. When I switch the amp on, the ist no break in receiving.
Should I change the vacuum relay? Or is there manual, how to switch off the Relay Protection, that I can test it?
Regards
Thorsten DJ7ZZ

5839. Copy 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-23 01:26:14 UTC
From: AB2E Darrell
Topic: 5824 Message: 5839

Hi all,
I'm looking for a copy of the technical supplement referenced in the main manual for the 2000A.
Can someone send me a link or a pdf?

I'm looking for the serial port default settings on the amp's DB9 connector. Any info appreciated.

73 Darrell AB2E

5840. Re: [acom-list] Copy 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-23 01:33:21 UTC
From: Michael Tranchina
Topic: 5824 Message: 5840

Hello Darrell,

Here's a zip file of the 2000A Schematics...

https://www.dropbox.com/s/0sxq5b7e5crzuzf/2000A_Schematics.zip

73,
Michae-KØSS

On Tue, Apr 22, 2014 at 9:26 PM, AB2E Darrell <ab2e@...> wrote:

>
>
> Hi all,
> I'm looking for a copy of the technical supplement referenced in
> the main manual for the 2000A.
> Can someone send me a link or a pdf?
>
> I'm looking for the serial port default settings on the amp's DB9
> connector. Any info appreciated.
>
> 73 Darrell AB2E
>
>
>

5841. RE: [acom-list] Copy 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-23 01:48:02 UTC
From: AB2E Darrell
Topic: 5824 Message: 5841

FB thanks Mike.
73 Darrell AB2E

To: acom-list@yahoogroups.com
From: mikestraining@...
Date: Tue, 22 Apr 2014 21:33:21 -0400
Subject: Re: [acom-list] Copy 2000A Technical Supplement

Hello Darrell,
Here's a zip file of the 2000A Schematics...
https://www.dropbox.com/s/0sxq5b7e5crzuzf/2000A_Schematics.zip

73,Michae-KØSS

On Tue, Apr 22, 2014 at 9:26 PM, AB2E Darrell <ab2e@...> wrote:

Hi all,
I'm looking for a copy of the technical supplement referenced in the main manual for the 2000A.
Can someone send me a link or a pdf?

I'm looking for the serial port default settings on the amp's DB9 connector. Any info appreciated.

73 Darrell AB2E

5842. Re: Lower price

Yahoo group: acom-list (2010 — 2016)
Date: 2014-04-28 22:12:16 UTC
From: <k5ux@...>
Topic: 5800 Message: 5842

I consider myself lucky because I waited a few months before ordering my 1000 and got the benefit of the price reduction, which made my decision easier. One of the main reasons I moved from Alpha to ACOM was service. My past experiences with Array Solutions were very positive and Jay took time to answer all my questions before we got to the "sales" part. I like many others, would like to know what went on behind the scenes regarding ACOM's decision to bring HRO onboard and feel that they (ACOM) should have consulted with Array Solutions or at least gave them a "heads up" before the decision was made. I guess this is the reality of the business side and we will most likely never know the details. Having said that, ACOM still produces a very fine product line and their engineering/manufacturing is second to none.

Mike
K5UX

5843. RE: [acom-list] 2000A software to follow rig freq/update

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-01 03:46:49 UTC
From: AB2E Darrell
Topic: 5824 Message: 5843

I know this topic went around and a few options were mentioned. I just wanted to let the group know the positive experience I just had using N4PY software to get the Acom 2000A to follow the radio automatically. This is really cool to see, it's totally seamless, and takes the operation of the Acom 2000A to a new level for me.

Setup: Icom 756 Pro III/Acom 2000A with old RCU.

The N4PY software does a fine job of rig control for the Icom (many other programs do too), and he has a long list of other rigs that he supports (although only newer Yaesu, and no FT-1000D which is my other radio for SO2R). Where it excels is the extra things it allows you to integrate. In my case, I have the Acom following the rig, and at the same time have the rig running in N1MM via a link from N4PY. Once set up, the amp follows the radio and pre-tunes it the band segment displayed on the Acom. There are other devices that he has created control settings for such as autotuners and panadapters. It runs in the background, but if you're using it with N1MM and enough room, you could add it to your N1MM window setup.
I downloaded as a 10 day free trial, and Carl N4PY even modified the software for me several times to get it working for my setup to make sure it would work for me as I wanted. Excellent customer service.
You do need a null-modem cable (make it yourself and only use pins 2,3, and 5, reversing pins 2 and 3 on each end for null-modem), but if you already have one for Acom Tools or Acom Director you should be ready to go.
I have no interest in n4py software, just a satisfied customer.

73 Darrell AB2E

5844. 2000A software to follow rig freq/update

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-01 13:47:10 UTC
From: W1JCW
Topic: 5824 Message: 5844

That's one thing about software in that it gets better every day.

Carl does a good job with his programs and has good support.

Have to love that Acom 2K! I have one and would never sell it.

73-

W1JCW

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] On Behalf Of AB2E Darrell
Sent: Wednesday, April 30, 2014 10:47 PM
To: Acom List
Subject: RE: [acom-list] 2000A software to follow rig freq/update

I know this topic went around and a few options were mentioned. I just wanted to let the group know the positive experience I just had using N4PY software to get the Acom 2000A to follow the radio automatically. This is really cool to see, it's totally seamless, and takes the operation of the Acom 2000A to a new level for me.

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I downloaded as a 10 day free trial, and Carl N4PY even modified the software for me several times to get it working for my setup to make sure it would work for me as I wanted. Excellent customer service.
You do need a null-modem cable (make it yourself and only use pins 2,3, and 5, reversing pins 2 and 3 on each end for null-modem), but if you already have one for Acom Tools or Acom Director you should be ready to go.
I have no interest in n4py software, just a satisfied customer.

73 Darrell AB2E

5845. Acom 1000A : Low output and Load Cap message

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-01 15:27:35 UTC
From: <f8dql@...>
Topic: 5845 Message: 5845

Hi,
For a couple of week I have noticed my Acom 1000A did not provide a high output level.
I have just performed some tests on a dummy load, it does not output more than 400 / 500 W on all band with 60 W drive. Plus, after a few seconds of drive, it sometimes displays the Tuning Aid by itself (with ATT LED ON).
What can be the cause ?
73

5846. ACOM - Touch up paint☐

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-01 19:39:39 UTC
From: <ve2ebk@...>
Topic: 5846 Message: 5846

FYI

Message received from ACOM

We do not offer a touch up paint, but our color is RAL # 8019 Mat.

A fast Google search gives following link:

http://www.lowvolumepowder.com/RAL-8019-Touch-Up-Pen
http://www.lowvolumepowder.com/RAL-8019-Touch-Up-Pen

73, Val LZ1VB

5847. Re: ACOM 1000 PN2B Protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-02 04:19:41 UTC
From: <thorsten.meirich@...>
Topic: 5838 Message: 5847

Hello to all,

after some mail conversation with ACOM, the error is history.

To find the error I changed the Vacuum relay against a new one, but this wasn´t the mistake.
After that, I changed the Condensor C14A, C14B, C15 on the Wattmeter PCB against new ones.
Also, I put a 1N4007 Diode betwen the ORC Point and a Ground Point.
I am not a specialist in SMD, so I put normal small condensors on the PCB. The distance between the
Wattmeter PCB and the Front Panel is very small. But with a little bit insulating tape on the backside of the frontpanel all works well.
So what can I say,
first a BIG THANKS to Val at ACOM. He send me a lott of photos and information to troubleshoot the
errors by myself.
That is real service !!

Regards Thorsten DJ7ZZ

5848. where Alpha 91ß usergroup ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-02 04:46:58 UTC
From: <pa3hgt@...>
Topic: 5848 Message: 5848

Hello all,
Beside that i own an Acom 2000,i bought an Alpha ETO 91ß that was made bij Acom in the middle 90´s.
My qeustion is if there´s is a Yahoo-usergroup for such nice amplifiers or can i ask my problems or remarks on this group ?
I searched but no result....

73,Hans,PA3HGT

5849. RE: [acom-list] Re: ACOM 1000 PN2B Protection

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-02 07:40:11 UTC
From: Kees - pa7two
Topic: 5838 Message: 5849

Excellent!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: thorsten.meirich@...
Date: Thu, 1 May 2014 21:19:41 -0700
Subject: [acom-list] Re: ACOM 1000 PN2B Protection

Hello to all,

after some mail conversation with ACOM, the error is history.

To find the error I changed the Vacuum relay against a new one, but this wasn´t the mistake.
After that, I changed the Condensor C14A, C14B, C15 on the Wattmeter PCB against new ones.
Also, I put a 1N4007 Diode betwen the ORC Point and a Ground Point.
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Wattmeter PCB and the Front Panel is very small. But with a little bit insulating tape on the backside of the frontpanel all works well.
So what can I say,
first a BIG THANKS to Val at ACOM. He send me a lott of photos and information to troubleshoot the
errors by myself.
That is real service !!

Regards Thorsten DJ7ZZ

5850. Re: [acom-list] where Alpha 91ß usergroup ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-02 10:34:02 UTC
From: Zoli Pitman HA1AG
Topic: 5848 Message: 5850

No need for that Hans.

You buy a 91B and you keep using it forever without faults. Only its fan noise keeps increasing but it is compensated by the developing loss of hearing of the owners.

73, Zoli HA1AG

also 91B and A2000 owner.

On 05/02/2014 06:46, pa3hgt@... wrote:
>
> Hello all,
>
> Beside that i own an Acom 2000,i bought an Alpha ETO 91ß that was made
> bij Acom in the middle 90´s.
>
> My qeustion is if there´s is a Yahoo-usergroup for such nice
> amplifiers or can i ask my problems or remarks on this group ?
>
> I searched but no result....
>
> 73,Hans,PA3HGT
>
> __._,

5851. ACOM 1000 transformer

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-02 13:00:58 UTC
From: Hsu
Topic: 5838 Message: 5851

Anyone know how many CCS rating output power(VA) of ACOM 1000 transformer?

5852. some info atom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-04 11:59:28 UTC
From: E.P
Topic: 5852 Message: 5852

hi
is any one what factory setting for contrast and light ??
thank you
elan g0uut

5853. Fw: some info atom 1000/LCD SETTING

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-04 12:06:46 UTC
From: E.P
Topic: 5852 Message: 5853

hi
is any one what factory setting for contrast and light ??on the LCD.
thank you
elan g0uut

5854. Re: some info atom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-06 13:04:10 UTC
From: <bob.g4hzv@...>
Topic: 5852 Message: 5854

I'm pretty sure it's Brightness = 4 and Contrast = 9

73 Bob

5855. Re: [acom-list] Re: some info atom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-07 08:12:48 UTC
From: g1kdu@yahoo.co.uk
Topic: 5855 Message: 5855
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

5856. Acom 1000 does not respond to PTT

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-09 10:57:42 UTC
From: stephen.bunting@...
Topic: 5856 Message: 5856

Hi everyone,

I'm looking for some advice about a fault my Acom 1000 has developed, please.

In short, it no longer responds to the PTT command from my radio. The radio and cable test fine with another amplifier, there are no fault numbers displayed by the amp at all, it starts up an behaves as normal. In standby mode, the amp power meter reads through power no problem. It operate mode, I apply power and it sits there looking at me, doing nothing. A bit like one of my kids when I ask him to do something.I have also applied a shorted RCA to the key input and still no amplification.

I last used the amp at a multi-op public engagement event where the amp reported a hot switching fault every 90 minutes or so. The cables were checked and the amp was reset a few times. By the end of the event the PTT had failed. I have been told (possible urban myth alert!) that "after a given number of faults the amp locks you out and needs a firmware reset". Any truth in that?. I see that the Acom website says

"Signatures of the amplifier internal status are stored in a nonvolatile memory for 7 most recent auto protection trips. This information is used for diagnostics.", but nothing else is documented.....

Any hints on how I can get the amp working again? I am happy to delve inside with a meter and then soldering iron.

73
Steve
M0BPQ

5857. Re: [acom-list] where Alpha 91ß usergroup ?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-09 18:37:52 UTC
From: pa3hgt@...
Topic: 5848 Message: 5857

Hello Zoli,

I hope not for faults but a share of experiences is always nice.
I started a Yahoo-group for this amplifier and you can find it on :
https://groups.yahoo.com/neo/groups/eto91/info
https://groups.yahoo.com/neo/groups/eto91/info
I can always try if there's interest in such a group ;-)

Hans,PA3HGT

5858. Re: Acom 1000 does not respond to PTT

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-10 14:01:26 UTC
From: Jay Terleski
Topic: 5856 Message: 5858

There is a fault code spreadsheet you can get and or call you local rep Vine Antennas, and he can run the fault codes for you and help you troubleshoot the problem. It doesn't sound like a TR relay fault as it would specify a "hot switch" ORC fault. It sound more like a PTT input related problem the processor is not seeing the command signal to transmit and cycle the input and output TR relays.
Jay

--
Jay Terleski
Array Solutions
214 954 7140

5859. No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-10 14:06:31 UTC
From: Rich Hallman - N7TR
Topic: 5859 Message: 5859

I have three new ACOM 2000a's and all of these are working great so far. One issue I see is that I do not see any reflected power on the RCU. All three are the same, so I know there must be a setting I don't have right and haven't been able to find anything in the manual or online.

Any Thoughts?

Thanks...
Rich

Rich N7TR
ex KI3V, N3AMK, WB3JOV
www.n7tr.com<http://www.n7tr.com>
http://www.qrz.com/db/N7TR
Telnet: dxc.n7tr.com N7TR DXCluster

5860. Re: [acom-list] No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-10 16:54:38 UTC
From: Hank Garretson
Topic: 5859 Message: 5860

Good Morning Rich,

7QP very well done. Bravo.

Out of the box, RCU should show reflected power, if you have any.

Which is to say, the RFL W LEDs will light, but on some bands, I have 1:1 and the RFL LEDs do not light. Which is good.

It may be that your antennas are all good enough that you don't light. Use low power and try a deliberate mismatch.

KB,

Hank, W6SX

On Sat, May 10, 2014 at 7:06 AM, Rich Hallman - N7TR rich@...[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> I have three new ACOM 2000a’s and all of these are working great so
> far. One issue I see is that I do not see any reflected power on the
> RCU. All three are the same, so I know there must be a setting I don’t
> have right and haven’t been able to find anything in the manual or online.
>

5861. RE: [acom-list] No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-10 23:05:23 UTC
From: Rich Hallman - N7TR
Topic: 5859 Message: 5861

Hi Hank…

When I look at the actual reflected power under “measure” on the RCU and it says 57 watts ….But the bar graph doesn’t show any reflected power. What’s interesting is that all three amps are doing the same thing. I’ve tried multiple antennas and bands with the same results. Even high SWR on 80 meters, but the bar graph doesn’t indicate anything.

Thanks…
Rich

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, May 10, 2014 9:55 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] No Refl power showing on RCU?

Good Morning Rich,
7QP very well done. Bravo.
Out of the box, RCU should show reflected power, if you have any.
Which is to say, the RFL W LEDs will light, but on some bands, I have 1:1 and the RFL LEDs do not light. Which is good.
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On Sat, May 10, 2014 at 7:06 AM, Rich Hallman - N7TR rich@n7tr.com<mailto:rich@n7tr.com> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

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5862. RE: [acom-list] No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-11 01:13:09 UTC
From: Bill NY9H
Topic: 5859 Message: 5862

is 57 watts enough to light the first bar ,,,,>???

At 07:05 PM 5/10/2014, you wrote:

>Hi Hank
>
>
>When I look at the actual reflected power under
>â☐☐measureâ☐☐ on the RCU and it says 57 watts
> .But the bar graph ddoesnâ☐☐t show any
>reflected power. Whatâ☐☐s interesting is that
>all three amps are doing the same thing. Iâ☐☐ve
>tried multiple antennas and bands with the same
>results. Even high SWR on 80 meters, but the
>bar graph doesnâ☐☐t indicate anything.
>
>Thanks
>Rich
>
>From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
>Sent: Saturday, May 10, 2014 9:55 AM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] No Refl power showing on RCU?
>
>
>Good Morning Rich,
>7QP very well done. Bravo.
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>havenâ☐☐t been able to find anything in the manual or online.
>
>
>
>

5863. RE: [acom-list] No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-11 01:43:19 UTC
From: Rich Hallman - N7TR
Topic: 5859 Message: 5863

As per the RCU .. 50 watts is around 7-8 bars…

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, May 10, 2014 6:13 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] No Refl power showing on RCU?

is 57 watts enough to light the first bar ,,,,>???

At 07:05 PM 5/10/2014, you wrote:

>Hi Hank…
>
>
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>â€œmeasureâ€□ on the RCU and it says 57 watts
>….But the bar graph ddoesnâ€™t show any
>reflected power. Whatâ€™s interesting is that
>all three amps are doing the same thing. Iâ€™ve
>tried multiple antennas and bands with the same
>results. Even high SWR on 80 meters, but the
>bar graph doesnâ€™t indicate anything.
>
>Thanks…
>Rich
>
>From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com]
>Sent: Saturday, May 10, 2014 9:55 AM
>To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
>Subject: Re: [acom-list] No Refl power showing on RCU?
>
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>N7TR <mailto:rich@n7tr.com>rich@n7tr.com<mailto:rich@n7tr.com>
>[acom-list]

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>havenâ€™t been able to find anything in the manual or online.
>
>
>
>

5864. Re: [acom-list] No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-11 02:28:23 UTC
From: Hank Garretson
Topic: 5859 Message: 5864

Wow. You should certainly see 57 watts on the RFL LEDs. Something not right.

Only other thing I can think of to suggest is to try it with key down instead of sending CW. Sometimes Reflected Power doesn't seem to keep up with CW. But, key down it always is there.

If no joy, call Guy at Array Solutions on Monday.

73,

Hank, W6SX

On Sat, May 10, 2014 at 4:05 PM, Rich Hallman - N7TR rich@...[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Hi Hank…
>
>
>
> When I look at the actual reflected power under “measure” on the RCU and
> it says 57 watts ….But the bar graph doesn’t show any reflected power.
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> 80 meters, but the bar graph doesn’t indicate anything.
>
>
>
> Thanks…
>
> Rich
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Saturday, May 10, 2014 9:55 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] No Refl power showing on RCU?
>
>
>
>
>
>
> Good Morning Rich,

>
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>
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>
>
>
>

5865. RE: [acom-list] No Refl power showing on RCU?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-11 14:21:40 UTC
From: Rich Hallman - N7TR
Topic: 5859 Message: 5865

Problem fixed…

Bob at Array Solutions mentioned that the two RCA connectors MUST be connected to the AMP from the RCU cable and I need to key the amp from the RCU KEY-IN line. I didn't have these connected and was just keying from the back of the amp and not through the RCU.

All is working great now….

Thanks for all the help….
Rich

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, May 10, 2014 7:28 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] No Refl power showing on RCU?

Wow. You should certainly see 57 watts on the RFL LEDs. Something not right.
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Thanks…
Rich

From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>]
Sent: Saturday, May 10, 2014 9:55 AM
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5866. ACOM2000A - terrible noise during POWER ON cycl

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-11 19:40:45 UTC
From: DL1AMQ
Topic: 5866 Message: 5866

As a lucky ACOM2000A owner I ran into trouble after more than 3000 hours of use.

After PA switch on there is a terrible and very loud noise during POWER ON cycle caused by internal blower (not the short sound by load/tune position motors). After few seconds up to 2 minutes the noise disappears and blower sounds like he did for years.
The strange noise sounds like defect gear mechanisms between motor axis and blower or blower wing scratches on blower housing or something else. There are no chips or any other failure indications visible.

Anyone else had this experience before ? Any hint what to do ?

Thanks in advance and 73 de Thomas, DL1AMQ

Diese E-Mail ist frei von Viren und Malware, denn der avast! Antivirus Schutz ist aktiv.
http://www.avast.com

5868. Re: [acom-list] ACOM2000A - terrible noise during POWER ON cycl

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-12 16:06:13 UTC
From: Hal Kennedy
Topic: 5866 Message: 5868

You are losing the blower motor. Time to order a new one. There have been three versions in ACOM 2000As.
The original was a Bomax motor running on 125 VAC. These had poor lifetimes. Its not a junky part however. The exact same motor is used in both the Alpha 87A and Alpha 99 for example. Bomax is out of business.
The replacement for the original - from ACOM - is a 12 (or 24?) VDC motor that has a small power supply bolted to it that converts the 125 VAC to 12 (24?) VDC.
If you buy a new amp today, you will get the replacement motor (12VDC or 24 VDC?) mentioned above, but not the little power supply, as ACOM has changed the design and now sends 12 VDC (or 24?) over to the blower from the main P/S.

73,
Hal N4GG

5869. AW: [acom-list] ACOM2000A - blower motor replacement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-13 12:37:22 UTC
From: DL1AMQ
Topic: 5866 Message: 5869

Just to keep informed all of You, interested in solving the problem.

Yes, om Hal / N4GG is right. The blower motor had decided to take a rest
after 14 years of turning.
Because the blower can not be dismounted from the motor, ACOM offers the
currently installed into ACOM 2000A DC blower equipped with an AC/DC adapter
allowing its use in ?older? amplifiers, like mine.

I got the offer really fast by Val, LZ1VB (THANKS !).

One more time, I got fast support by qualified members of ACOM Yahoogroup,
such as Hal.
Enjoy Your ACOM.
73 de Thomas, DL1AMQ

-----Urspr?ngliche Nachricht-----
Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Montag, 12. Mai 2014 18:06
An: acom-list@yahoogroups.com
Betreff: Re: [acom-list] ACOM2000A - terrible noise during POWER ON cycl

You are losing the blower motor. Time to order a new one. There have
been three versions in ACOM 2000As.
The original was a Bomax motor running on 125 VAC. These had poor
lifetimes. Its not a junky part however. The exact same motor is used
in both the Alpha 87A and Alpha 99 for example. Bomax is out of business.
The replacement for the original - from ACOM - is a 12 (or 24?) VDC
motor that has a small power supply bolted to it that converts the 125
VAC to 12 (24?) VDC.
If you buy a new amp today, you will get the replacement motor (12VDC or
24 VDC?) mentioned above, but not the little power supply, as ACOM has
changed the design and now sends 12 VDC (or 24?) over to the blower from
the main P/S.

73,
Hal N4GG

Diese E-Mail ist frei von Viren und Malware, denn der avast! Antivirus Schutz ist aktiv.
http://www.avast.com

5870. Re: AW: [acom-list] ACOM2000A - blower motor replacement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-13 12:43:19 UTC
From: Hal Kennedy
Topic: 5866 Message: 5870

Always happy to help! These are wonderful amps.
73
N4GG

Sent from my iPhone

> On May 13, 2014, at 8:37 AM, "'DL1AMQ' dl1amq@... [acom-list]"
<acom-list@yahoogroups.com> wrote:
>
> Just to keep informed all of You, interested in solving the problem.
>
>
>
> Yes, om Hal / N4GG is right. The blower motor had decided to take a rest after 14 years of turning.
>
> Because the blower can not be dismounted from the motor, ACOM offers the currently installed into ACOM 2000A DC blower equipped with an AC/DC adapter allowing its use in “older” amplifiers, like mine.
>
>
>
> I got the offer really fast by Val, LZ1VB (THANKS !).
>
>
>
> One more time, I got fast support by qualified members of ACOM Yahoogroup, such as Hal.
>
> Enjoy Your ACOM.
>
> 73 de Thomas, DL1AMQ
>
>
>
>
>
> -----Ursprüngliche Nachricht-----
> Von: acom-list@...m [mailto:acom-list@yahoogroups.com]
> Gesendet: Montag, 12. Mai 2014 18:06
> An: acom-list@yahoogroups.com
> Betreff: Re: [acom-list] ACOM2000A - terrible noise during POWER ON cycl
>
>
>
>

>
> You are losing the blower motor. Time to order a new one. There have
> been three versions in ACOM 2000As.
> The original was a Bomax motor running on 125 VAC. These had poor
> lifetimes. Its not a junky part however. The exact same motor is used
> in both the Alpha 87A and Alpha 99 for example. Bomax is out of business.
> The replacement for the original - from ACOM - is a 12 (or 24?) VDC
> motor that has a small power supply bolted to it that converts the 125
> VAC to 12 (24?) VDC.
> If you buy a new amp today, you will get the replacement motor (12VDC or
> 24 VDC?) mentioned above, but not the little power supply, as ACOM has
> changed the design and now sends 12 VDC (or 24?) over to the blower from
> the main P/S.
>
> 73,
> Hal N4GG
>
>
>
>
> Diese E-Mail ist frei von Viren und Malware, denn der avast! Antivirus Schutz ist aktiv.
>
>
>

5871. ACOM2000A - blower motor replacement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-13 12:49:39 UTC
From: W1JCW
Topic: 5866 Message: 5871

This is why I don't own anything but an Acom !!

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, May 13, 2014 7:37 AM
To: acom-list@yahoogroups.com
Subject: AW: [acom-list] ACOM2000A - blower motor replacement

Just to keep informed all of You, interested in solving the problem.

Yes, om Hal / N4GG is right. The blower motor had decided to take a rest
after 14 years of turning.

Because the blower can not be dismounted from the motor, ACOM offers the
currently installed into ACOM 2000A DC blower equipped with an AC/DC adapter
allowing its use in ☐older☐ amplifiers, like mine.

I got the offer really fast by Val, LZ1VB (THANKS !).

One more time, I got fast support by qualified members of ACOM Yahoogroup,
such as Hal.

Enjoy Your ACOM.

73 de Thomas, DL1AMQ

-----Ursprüngliche Nachricht-----
Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Montag, 12. Mai 2014 18:06
An: acom-list@yahoogroups.com
Betreff: Re: [acom-list] ACOM2000A - terrible noise during POWER ON cycl

You are losing the blower motor. Time to order a new one. There have
been three versions in ACOM 2000As.
The original was a Bomax motor running on 125 VAC. These had poor
lifetimes. Its not a junky part however. The exact same motor is used
in both the Alpha 87A and Alpha 99 for example. Bomax is out of business.
The replacement for the original - from ACOM - is a 12 (or 24?) VDC
motor that has a small power supply bolted to it that converts the 125
VAC to 12 (24?) VDC.
If you buy a new amp today, you will get the replacement motor (12VDC or
24 VDC?) mentioned above, but not the little power supply, as ACOM has
changed the design and now sends 12 VDC (or 24?) over to the blower from

the main P/S.

73,
Hal N4GG

5872. Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 11:05:12 UTC
From: f8dql@...
Topic: 5872 Message: 5872

Hello,
I have read on many different locations that the Acom 1000 is able to output its full power with 60 W drive.
My amp is not able to do that, I have to input 80 to 90 W to have 1 kW output with a bit less than 700 mA plate current.
Is this normal?
73

5873. Re: Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 11:40:11 UTC
From: GL-DJ3IW-Web
Topic: 5872 Message: 5873

Hello Jean,

most certainly something is not right with your ACOM 1000.
700 mA plate current will ruin the tube pretty fast.
Please see the attached textfile that shows normal values.

My ACOM 1000 is ten years old, still the first tube and I use
it often for RTTY contesting. Drive (as read from the ACOMs display)
usually is 45 - 46 watts that gives my our legal 750 W output.
For RTTY I tune for maximum output at a screen current of approx. 40 mA.
Plate current with these settings is between 450 - 550 mA, depending
on antenna SWR.
Could it be that your tuning is not as it should be?

73 de Goetz DJ3IW

>Hello,
>I have read on many different locations that the Acom 1000 is able to
output its >full power with 60 W drive.
>My amp is not able to do that, I have to input 80 to 90 W to have 1 kW
output with a >bit less than 700 mA plate current.
>Is this normal?

The DC regimes at normal mains voltage are:

During RX: +2750...2770V anode voltage; SG voltage +340V for operate
and +12V for standby; Bias voltage -120V; Anode current below 1mA.

With PTT only: +2700V anode and same SG voltages; Bias voltage between
-65 and -75V, set for a 70mA low-level anode idling current, depending
on the tube specimen.

With PTT and very small RF drive: +2600V anode voltage, same SG voltage;
Bias voltage between -45 and -60V, set for a 220mA high-level anode
idling current, depending on the tube specimen.

During TX, 1000W (external wattmeter) @ 14MHz: +2380...2400V DC anode
voltage, same SG voltage, and 510-520mA DC anode current. The SG current
depends on the tube specimen but is usually between 10 and 20mA. The RF
anode amplitude (as measured on the LCD) is 150-200V below the measured
DC anode voltage.

On higher bands, the anode current gradually increases up to 560-580mA
on 52MHz and the DC anode voltage is around 2350V at the same time
(provided the mains is not "soft").

The power gain on 14MHz is 12...12,5dB up to 900-950W and it slightly decreases (-0,5dB) to 1000W. On the higher bands, the power gain might increase to about +1dB.

When ACOM1000 is normally loaded and tuned, the screen current is typically zero below 35-40W drive power and it begins to flow above 40W drive. Further increasing the drive, the screen current steeply increases, saturating to about 55-60mA at a 70-75W drive level. A current limiter is involved at this threshold.

The screen current might not appear if the plate loading resistance is too low, thus the anode instant voltage not reaching a low-enough value to approach the SG voltage for a higher SG current.

[Non-text portions of this message have been removed]

5874. Re: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 11:57:42 UTC
From: briana
Topic: 5872 Message: 5874

What band(s)?

With a good new tube one can achieve full output with <60W drive.

However, as the type dies, the symptoms are increased drive required to obtain same output. The degredation is seen on 6M and 10M first.

I had some newly purchased NOS tubes which couldn't put out 750 watts period.

It turned out to be a game of returning these newly purchased NOS tubes until one was finally received that put out the full KW.

73 de Brian/K3KO

On 5/14/2014 7:05 AM, f8dql@... [acom-list] wrote:
>
>
> Hello,
>
> I have read on many different locations that the Acom 1000 is able to
> output its full power with 60 W drive.
>
> My amp is not able to do that, I have to input 80 to 90 W to have 1 kW
> output with a bit less than 700 mA plate current.
>
> Is this normal?
>
> 73
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2247 / Virus Database: 3722/6988 - Release Date: 05/13/14
>

5875. RE: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 13:02:59 UTC
From: Bob Naumann
Topic: 5872 Message: 5875

Is the tuning smooth or does it “jump” up and down?

If it is “jumpy”, especially as you go to higher bands, you may have a failed component that may require more investigation.

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, May 14, 2014 6:05 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 - Drive power

Hello,

I have read on many different locations that the Acom 1000 is able to output its full power with 60 W drive.

My amp is not able to do that, I have to input 80 to 90 W to have 1 kW output with a bit less than 700 mA plate current.

Is this normal?

73

5876. Re: [acom-list] Re: Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 14:03:11 UTC
From: Mike Harris
Topic: 5872 Message: 5876

Screen current varies greatly from tube to tube. Some source current,
some sink it. Screen supplies have to be designed to cope with this.

When we receive replacement Eimac 4XC5000A's at the old HF TX station
they always came with a test certificate which detailed the operating
parameters for that individual tube. No two were ever the same.
Loading was always to the required screen current at full power, 7.5kW.
Plate dip and screen peak generally coincided.

On 20M my 1000 delivers 750W with 8mA of screen current and 490-500mA
plate current. Indicated drive power 50W

Regards,

Mike VP8NO

On 14/05/2014 08:40, 'GL-DJ3IW-Web' gl-dj3iw@... [acom-list] wrote:
> Hello Jean,
>
> most certainly something is not right with your ACOM 1000.
> 700 mA plate current will ruin the tube pretty fast.
> Please see the attached textfile that shows normal values.
>
> My ACOM 1000 is ten years old, still the first tube and I use
> it often for RTTY contesting. Drive (as read from the ACOMs display)
> usually is 45 - 46 watts that gives my our legal 750 W output.
> For RTTY I tune for maximum output at a screen current of approx. 40 mA.
> Plate current with these settings is between 450 - 550 mA, depending
> on antenna SWR.
> Could it be that your tuning is not as it should be?
>
> 73 de Goetz DJ3IW
>
> ----------
>> Hello,
>> I have read on many different locations that the Acom 1000 is able to
> output its >full power with 60 W drive.
>> My amp is not able to do that, I have to input 80 to 90 W to have 1 kW
> output with a >bit less than 700 mA plate current.
>> Is this normal?
>
> ----------
>
> The DC regimes at normal mains voltage are:
>
> During RX: +2750...2770V anode voltage; SG voltage +340V for operate

> and +12V for standby; Bias voltage -120V; Anode current below 1mA.
>
> With PTT only: +2700V anode and same SG voltages; Bias voltage between
> -65 and -75V, set for a 70mA low-level anode idling current, depending
> on the tube specimen.
>
> With PTT and very small RF drive: +2600V anode voltage, same SG voltage;
> Bias voltage between -45 and -60V, set for a 220mA high-level anode
> idling current, depending on the tube specimen.
>
> During TX, 1000W (external wattmeter) @ 14MHz: +2380...2400V DC anode
> voltage, same SG voltage, and 510-520mA DC anode current. The SG current
> depends on the tube specimen but is usually between 10 and 20mA. The RF
> anode amplitude (as measured on the LCD) is 150-200V below the measured
> DC anode voltage.
>
> On higher bands, the anode current gradually increases up to 560-580mA
> on 52MHz and the DC anode voltage is around 2350V at the same time
> (provided the mains is not "soft").
>
> The power gain on 14MHz is 12...12,5dB up to 900-950W and it slightly
> decreases (-0,5dB) to 1000W. On the higher bands, the power gain might
> increase to about +1dB.
>
> When ACOM1000 is normally loaded and tuned, the screen current is
> typically zero below 35-40W drive power and it begins to flow above 40W
> drive. Further increasing the drive, the screen current steeply increases,
> saturating to about 55-60mA at a 70-75W drive level. A current limiter is
> involved at this threshold.
>
> The screen current might not appear if the plate loading resistance is
> too low, thus the anode instant voltage not reaching a low-enough value
> to approach the SG voltage for a higher SG current.
>
>
> [Non-text portions of this message have been removed]
>
>
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>
> Yahoo Groups Links
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5877. RE: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 14:15:06 UTC
From: f8dql@...
Topic: 5872 Message: 5877

Hello, To answer Goetz first, I am not running at 700 mA Plate current, it was for the testing purpose. I am usually running it at 700 W but was surprised to drive it with 60 W to have this result. Here is why I raised the drive to know what level to input is needed to have a kW output.
The tuning procedure is smooth, there is no particular jump.

5878. Re: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 14:48:10 UTC
From: Martin Andrew
Topic: 5872 Message: 5878

I wonder if you are looking at the drive on the transceiver front panel or using something like a 'Bird' power meter.
Was caught out on 50MHz with both a TS-2000 and FT-847 showing more output into my amplifier than I expected. Checked it on a Bird and it was nearly 15 Watt lower than shown on the meter.
Also found the output meter on the Acom-1000 was well out, showing higher than on a Bird meter but adjusted the meter Pot.

Martin, GM6VXB
----- Original Message -----
From: f8dql@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Wednesday, May 14, 2014 2:15 PM
Subject: RE: [acom-list] Acom 1000 - Drive power

Hello,

To answer Goetz first, I am not running at 700 mA Plate current, it was for the testing purpose. I am usually running it at 700 W but was surprised to drive it with 60 W to have this result. Here is why I raised the drive to know what level to input is needed to have a kW output.
The tuning procedure is smooth, there is no particular jump.

5879. Re: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 14:59:45 UTC
From: f8dql@...
Topic: 5872 Message: 5879

Hi, All of this is measured with a calibrated LP-100A.
Btw, what is a safe Plate current value?
I think that the protection is set to 700 mA on the Acom 1000.

5880. Re: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 16:20:42 UTC
From: Mike Harris
Topic: 5872 Message: 5880

I can email you a copy of the Svetlana technical data sheet for this tube if you like, 132kB pdf.

Max rating 0.8A but typical DC plate current at 750W out in linear operation 550mA or less.

From the Svetlana data sheet:

"As a linear power amplifier, the 4CX800A will conservatively produce 750 watts PEP SSB, and 750 watts Key Down CW......"

What happens to the IMD at 1000W PEP is between you and the spectrum analyser.

Regards,

Mike VP8NO

On 14/05/2014 11:59, f8dql@... [acom-list] wrote:
> Hi, All of this is measured with a calibrated LP-100A.
> Btw, what is a safe Plate current value?
> I think that the protection is set to 700 mA on the Acom 1000.
>
>

5881. Re: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-14 18:11:49 UTC
From: VU3UPZ
Topic: 5872 Message: 5881

Hi All,

My experience was almost the same in terms of output & input power as I turn the TS-2000 power to more than 70W (as I remember) to achieve the 1KW+

At the same time mine is set to 240V where as the standard supply is 230V, finally I wrote to Val, he replied that the perfect match of supply and settings will yield better result & life for TUBE!

Because it was my short vacation to back home from A7, I couldnt make more research, I hope this discussion will give more tips to get the 1KW out of 60W.

Kind 73s de

VU3UPZ Vikas
On Wed, May 14, 2014 at 5:48 PM, 'Martin Andrew'
martin.andrew@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> □
> *I wonder if you are looking at the drive on the transceiver front panel
> or using*
> *something like a 'Bird' power meter.*
> *Was caught out on 50MHz with both a TS-2000 and FT-847 showing more
> output*
> *into my amplifier than I expected. Checked it on a Bird and it was nearly
> 15 Watt*
> *lower than shown on the meter.*
> *Also found the output meter on the Acom-1000 was well out, showing higher
> than on*
> *a Bird meter but adjusted the meter Pot.*
>
> *Martin, GM6VXB*
>
> ----- Original Message -----
> *From:* f8dql@... [acom-list]<f8dql@...+[acom-list]>
> *To:* acom-list@yahoogroups.com
> *Sent:* Wednesday, May 14, 2014 2:15 PM
> *Subject:* RE: [acom-list] Acom 1000 - Drive power
>
>
>
> Hello,
> To answer Goetz first, I am not running at 700 mA Plate current, it was

> for the testing purpose. I am usually running it at 700 W but was surprised
> to drive it with 60 W to have this result. Here is why I raised the drive
> to know what level to input is needed to have a kW output.
> The tuning procedure is smooth, there is no particular jump.
>
>
>

5882. RE: [acom-list] Acom 1000 - Drive power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-16 13:41:33 UTC
From: Kees - pa7two
Topic: 5872 Message: 5882

Guys,

The GU75B was designed for a 700-750 Watt RF. Sure at times it can be pushed to achieve a bit higher output, but when done to many times the output gets lower by the month of usage. End result? A new tube to install.

For an Acom 1000, keep RF OUT under 800 Watts peak and the tube will last likely long, very very long that is!

If you need more power buy a Acom 1500 instead.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 14 May 2014 21:11:49 +0300
Subject: Re: [acom-list] Acom 1000 - Drive power

Hi All, My experience was almost the same in terms of output & input power as I turn the TS-2000 power to more than 70W (as I remember) to achieve the 1KW+
At the same time mine is set to 240V where as the standard supply is 230V, finally I wrote to Val, he replied that the perfect match of supply and settings will yield better result & life for TUBE!
Because it was my short vacation to back home from A7, I couldnt make more research, I hope this discussion will give more tips to get the 1KW out of 60W.
Kind 73s de VU3UPZ Vikas
On Wed, May 14, 2014 at 5:48 PM, 'Martin Andrew' martin.andrew@btinternet.com [acom-list] <acom-list@yahoogroups.com> wrote:

☐

I wonder if you are looking at the drive on the
transceiver front panel or using
something like a 'Bird' power
meter.
Was caught out on 50MHz with both a TS-2000 and
FT-847 showing more output
into my amplifier than I expected. Checked it on a
Bird and it was nearly 15 Watt
lower than shown on the
meter.
Also found the output meter on the Acom-1000 was
well out, showing higher than on
a Bird meter but adjusted the meter

Pot.

Martin, GM6VXB

----- Original Message -----
From:
f8dql@radioamateur.org
[acom-list]
To: acom-list@yahoogroups.com

Sent: Wednesday, May 14, 2014 2:15
PM
Subject: RE: [acom-list] Acom 1000 -
Drive power

Hello,

To answer Goetz first, I am not running at 700 mA Plate current, it was
for the testing purpose. I am usually running it at 700 W but was surprised to
drive it with 60 W to have this result. Here is why I raised the drive to know
what level to input is needed to have a kW output.
The tuning procedure is smooth, there is no particular jump.

5883. Acom 600S first seen on youtube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 14:43:50 UTC
From: on4vp@...
Topic: 5883 Message: 5883

Acom Bulgaria has finally released some dealer pre-release amps. Jay from Array Solutions posted his first Acom 600S video on youtube. It's a really short sneak preview where he's sending some morse code using full power on a dummy load. I also spotted the manual on another website.

After reading the manual I was a bit disappointed to see only one antenna connection. Since most recent Acom amps have at least two terminals, the new 600S has only one. I presume that Acom's remote antenna switch can be controlled just like my 2000a can.

According to the manual the final stage is build around two relative new Freescale MRFE6VP6300H transistors presumably in a push-pull combination, that can handle high SWR and have a disipated power of 300 watts CW up to 230 Mhz per transistor.

The Acom 600S supports cat control for most brand of radios but also has his own frequency counter on board to detect the band when rf is applied and switch bands according the signal.

I contacted my preferred dealer and according to him production is in place and first customers could get their hands on one around the end of June.

Jay's video: https://www.youtube.com/watch?v=3nxid2zooBw
https://www.youtube.com/watch?v=3nxid2zooBw
I will put the manual in the file section.

73 Phil ON4VP/OR5A.

5884. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 14:44:44 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 5884

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /ACOM 600S leaflet small.pdf
Uploaded by : on4vp <on4vp@...>
Description : New solid state Acom 600S

You can access this file at the URL:
https://groups.yahoo.com/group/acom-list/files/ACOM%20600S%20leaflet%20small.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

on4vp <on4vp@...>

5885. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 14:45:36 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 5885

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Manual_ACOM600S.pdf
Uploaded by : on4vp <on4vp@...>
Description : Operating manuel (1ste edition) for the new solid state Acom 600S

You can access this file at the URL:
https://groups.yahoo.com/group/acom-list/files/Manual_ACOM600S.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

on4vp <on4vp@...>

5886. Re: [acom-list] Acom 600S first seen on youtube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 15:40:10 UTC
From: W5OV@...
Topic: 5883 Message: 5886

Here are two links:

Manual:

http://www.arraysolutions.com/Downloads/Acom/600S/Manual_ACOM600S.pdf

600S Brochure

http://www.arraysolutions.com/Downloads/Acom/600S/ACOM%20600S%20leaflet%20small.pdf

The 600S is a very well made amplifier. We are very impressed.

We have been told that delivery will be in July.

73,

Bob W5OV
Array Solutions

On Wed, May 21, 2014 9:43 am, on4vp@... [acom-list] wrote:
> Acom Bulgaria has finally released some dealer pre-release amps. Jay from
> Array Solutions posted his first Acom 600S video on youtube. It's a
> really short sneak preview where he's sending some morse code using full
> power on a dummy load. I also spotted the manual on another website.
>
> After reading the manual I was a bit disappointed to see only one antenna
> connection. Since most recent Acom amps have at least two terminals, the
> new 600S has only one. I presume that Acom's remote antenna switch can be
> controlled just like my 2000a can.
>
> According to the manual the final stage is build around two relative new
> Freescale MRFE6VP6300H transistors presumably in a push-pull combination,
> that can handle high SWR and have a disipated power of 300 watts CW up to
> 230 Mhz per transistor.
>
>
> The Acom 600S supports cat control for most brand of radios but also has
> his own frequency counter on board to detect the band when rf is applied
> and switch bands according the signal.
>
> I contacted my preferred dealer and according to him production is in
> place and first customers could get their hands on one around the end of
> June.
>
>
> Jay's video: https://www.youtube.com/watch?v=3nxid2zooBw
> https://www.youtube.com/watch?v=3nxid2zooBw

> I will put the manual in the file section.
>
>
> 73 Phil ON4VP/OR5A.
>
>
>
>

5887. Re: [acom-list] Acom 600S first seen on youtube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 16:55:39 UTC
From: Mike Harris
Topic: 5883 Message: 5887

G'day,

Looks nice. Price?

Regards,

Mike VP8NO

On 21/05/2014 12:40, W5OV@... [acom-list] wrote:
> Here are two links:
>
> Manual:
>
> http://www.arraysolutions.com/Downloads/Acom/600S/Manual_ACOM600S.pdf
>
> 600S Brochure
>
> http://www.arraysolutions.com/Downloads/Acom/600S/ACOM%20600S%20leaflet%20small.pdf
>
> The 600S is a very well made amplifier. We are very impressed.
>
> We have been told that delivery will be in July.
>
> 73,
>
> Bob W5OV
> Array Solutions

5888. Re: [acom-list] Acom 600S first seen on youtube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 16:58:17 UTC
From: Brian Alsop
Topic: 5883 Message: 5888

If I read the manual properly, power cutback starts at an SWR of 1.5.
It says it can tolerate 3:1 with reduced power.

Not what I expected from ACOM.

73 DE Brian/K3KO

On 5/21/2014 16:55, Mike Harris mike.harris@... [acom-list] wrote:
> G'day,
>
> Looks nice. Price?
>
> Regards,
>
> Mike VP8NO
>
> On 21/05/2014 12:40, W5OV@... [acom-list] wrote:
>> Here are two links:
>>
>> Manual:
>>
>> http://www.arraysolutions.com/Downloads/Acom/600S/Manual_ACOM600S.pdf
>>
>> 600S Brochure
>>
>> http://www.arraysolutions.com/Downloads/Acom/600S/ACOM%20600S%20leaflet%20small.pdf
>>
>> The 600S is a very well made amplifier. We are very impressed.
>>
>> We have been told that delivery will be in July.
>>
>> 73,
>>
>> Bob W5OV
>> Array Solutions
>
>
> ------------------------------------
> Posted by: Mike Harris <mike.harris@...>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>

>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2247 / Virus Database: 3722/7031 - Release Date: 05/21/14
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2247 / Virus Database: 3722/7031 - Release Date: 05/21/14

5889. Re: [acom-list] Acom 600S first seen on youtube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 17:41:30 UTC
From: Mike Harris
Topic: 5883 Message: 5889

The quoted apparent ruggedness of the Freescale devices suggests that
this is somewhat conservative.

How reduced is reduced power I wonder. Para f. on page 14 would seem to
indicate that 2:1 is workable.

Regards,

Mike VP8NO

On 21/05/2014 13:58, Brian Alsop alsopb@... [acom-list] wrote:
> If I read the manual properly, power cutback starts at an SWR of 1.5.
> It says it can tolerate 3:1 with reduced power.
>
> Not what I expected from ACOM.
>
> 73 DE Brian/K3KO

5890. Acom 600S

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 17:42:02 UTC
From: W1JCW
Topic: 5883 Message: 5890

What I was really expecting from Acom is a 1.5kw ss amp such as the SPE model.

After running my 2K, going back to 600 watts or thereabouts just doesn't do it.

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, May 21, 2014 11:58 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 600S first seen on youtube

If I read the manual properly, power cutback starts at an SWR of 1.5.
It says it can tolerate 3:1 with reduced power.

Not what I expected from ACOM.

73 DE Brian/K3KO

5891. Re: [acom-list] Acom 600S first seen on youtube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-21 17:46:50 UTC
From: W5OV@...
Topic: 5883 Message: 5891

We introduced it at Dayton for USD $2750.

The regular price will be $2789 beginning later this week.

On Wed, May 21, 2014 11:55 am, Mike Harris mike.harris@...
[acom-list] wrote:
> G'day,
>
>
> Looks nice. Price?
>
>
> Regards,
>
>
> Mike VP8NO
>
>
> On 21/05/2014 12:40, W5OV@... [acom-list] wrote:
>
>> Here are two links:
>>
>>
>> Manual:
>>
>>
>> http://www.arraysolutions.com/Downloads/Acom/600S/Manual_ACOM600S.pdf
>>
>>
>> 600S Brochure
>>
>>
>> http://www.arraysolutions.com/Downloads/Acom/600S/ACOM%20600S%20leaflet
>> %20small.pdf
>>
>>
>> The 600S is a very well made amplifier. We are very impressed.
>>
>>
>> We have been told that delivery will be in July.
>>
>>
>> 73,
>>
>>

>> Bob W5OV
>> Array Solutions
>>
>
>
> ----------
> Posted by: Mike Harris <mike.harris@...>
> ----------
>
>
> Yahoo Groups Links
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>

5892. Re: Acom 600S

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-22 09:49:08 UTC
From: on4vp@...
Topic: 5883 Message: 5892

John,

I do not entirely agree with you. First the 600S to me is more a mid class power contender for the KPA500. Compact, small, light, easy to use for dx expeditions or portable travel.

It would also serve well as a backup to my 2000a and having 600 watts on 50 Mhz to.
So I see it more as an extension to the 1010 or 1011 models with a tube.

Who knows Acom will release a more powerfull verion in the future to expand the legal limit range of amps like the 2000a and the 1500.

On the other hand, I think that when running a station with a good antenna (still the most important factor) a 600watt output or 1,2kw output would not make to much of a difference on the opposites stations s-meter. Once you cross the S9 benchmark, it gonna be hard to put another 10dB on the scale. That would mean you would have to go from 600 to 6kw ?

In my book, a good antenna system combined with medio power levels (500-800 watts) is a very well balanced system. It's nice to have legal limit in my house, but for 90% of the time I'm running my 2Ka only with 25 tot 30 watts of drive, and I'm almost always first call ;-). If you can't make it with 600 you won't make it with double power either.

I think it's more a 'between the ear' thing....

73 Phil

5893. Re: Acom 600S (Joel, K2QBV)

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-22 11:27:54 UTC
From: Joel
Topic: 5883 Message: 5893

Hello Phil,
This is Joel, K2QBV and I think you're RIGHT ON with your comments. By the way, since our long QSOs, I had not spoken to you since you obtained the ACOM 2000.
See ya sn,
Joel

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 22 May 2014 02:49:08 -0700
Subject: [acom-list] Re: Acom 600S

John,

I do not entirely agree with you. First the 600S to me is more a mid class power contender for the KPA500. Compact, small, light, easy to use for dx expeditions or portable travel.

It would also serve well as a backup to my 2000a and having 600 watts on 50 Mhz to.
So I see it more as an extension to the 1010 or 1011 models with a tube.

Who knows Acom will release a more powerfull verion in the future to expand the legal limit range of amps like the 2000a and the 1500.

On the other hand, I think that when running a station with a good antenna (still the most important factor) a 600watt output or 1,2kw output would not make to much of a difference on the opposites stations s-meter. Once you cross the S9 benchmark, it gonna be hard to put another 10dB on the scale. That would mean you would have to go from 600 to 6kw ?

In my book, a good antenna system combined with medio power levels (500-800 watts) is a very well balanced system. It's nice to have legal limit in my house, but for 90% of the time I'm running my 2Ka only with 25 tot 30 watts of drive, and I'm almost always first call ;-). If you can't make it with 600 you won't make it with double power either.

I think it's more a 'between the ear' thing....

73 Phil

5894. Re: [acom-list] Re: Acom 600S (Joel, K2QBV)

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-22 16:02:42 UTC
From: Brian Alsop
Topic: 5883 Message: 5894

Right on Joel except, the last statement. It says 3db would make no difference in a pileup. I strongly disagree with that. It gets especially important in SSB and RTTY pileups. Having gone from 1500 watts to 600 watts, I really can tell the difference.

73 de Brian/K3KO

On 5/22/2014 11:27, Joel k2qbv@... [acom-list] wrote:
>
>
> *Hello Phil,*
> *This is Joel, K2QBV and I think you're RIGHT ON with your comments. By the way, since our long QSOs, I had not spoken to you since you obtained the ACOM 2000.*
> *See ya sn,*
> *Joel*
>
> ---
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 22 May 2014 02:49:08 -0700
> Subject: [acom-list] Re: Acom 600S
>
> John,
>
> I do not entirely agree with you. First the 600S to me is more a mid class power contender for the KPA500. Compact, small, light, easy to use for dx expeditions or portable travel.
>
> It would also serve well as a backup to my 2000a and having 600 watts on 50 Mhz to.
> So I see it more as an extension to the 1010 or 1011 models with a tube.
>
> Who knows Acom will release a more powerfull verion in the future to expand the legal limit range of amps like the 2000a and the 1500.
>
> On the other hand, I think that when running a station with a good antenna (still the most important factor) a 600watt output or 1,2kw output would not make to much of a difference on the opposites stations s-meter. Once you cross the S9 benchmark, it gonna be hard to put another 10dB on the scale. That would mean you would have to go from 600 to 6kw ?
>
> In my book, a good antenna system combined with medio power levels (500-800 watts) is a very well balanced system. It's nice to have legal

> limit in my house, but for 90% of the time I'm running my 2Ka only with
> 25 tot 30 watts of drive, and I'm almost always first call ;-). If you
> can't make it with 600 you won't make it with double power either.
>
> I think it's more a 'between the ear' thing....
>
> 73 Phil
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14

5895. Re: [acom-list] Re: Acom 600S (Joel, K2QBV)

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-22 19:58:58 UTC
From: Mel Whitten
Topic: 5883 Message: 5895

2-3dB can make a difference between having a QSO or not having one using FreeDV digital voice under weak signal conditions.

With DV, I am looking for a lot of signal margin to minimize the effects of 10 to 20+ dB drop in SNR under adverse conditions caused by multi-path or SSB QRM.

Keeping the SNR above 3dB, will avoid speech dropouts.

In general, however.. I agree with you Phil. I would rather have a better antenna than more power.

Mel
k0pfx

----- Original Message -----
From: "Brian Alsop alsopb@... [acom-list]" <acom-list@yahoogroups.com>
To: <acom-list@yahoogroups.com>
Sent: Thursday, May 22, 2014 11:02 AM
Subject: Re: [acom-list] Re: Acom 600S (Joel, K2QBV)

> Right on Joel except, the last statement. It says 3db would make no
> difference in a pileup. I strongly disagree with that. It gets
> especially important in SSB and RTTY pileups. Having gone from 1500
> watts to 600 watts, I really can tell the difference.
>
> 73 de Brian/K3KO
>
> On 5/22/2014 11:27, Joel k2qbv@... [acom-list] wrote:
>>
>>
>> *Hello Phil,*
>> *This is Joel, K2QBV and I think you're RIGHT ON with your comments. By
>> the way, since our long QSOs, I had not spoken to you since you obtained
>> the ACOM 2000.*
>> *See ya sn,*
>> *Joel*
>>
>> ---
>> To: acom-list@yahoogroups.com
>> From: acom-list@yahoogroups.com
>> Date: Thu, 22 May 2014 02:49:08 -0700
>> Subject: [acom-list] Re: Acom 600S
>>
>> John,
>>

>> I do not entirely agree with you. First the 600S to me is more a mid
>> class power contender for the KPA500. Compact, small, light, easy to use
>> for dx expeditions or portable travel.
>>
>> It would also serve well as a backup to my 2000a and having 600 watts on
>> 50 Mhz to.
>> So I see it more as an extension to the 1010 or 1011 models with a tube.
>>
>> Who knows Acom will release a more powerfull verion in the future to
>> expand the legal limit range of amps like the 2000a and the 1500.
>>
>> On the other hand, I think that when running a station with a good
>> antenna (still the most important factor) a 600watt output or 1,2kw
>> output would not make to much of a difference on the opposites stations
>> s-meter. Once you cross the S9 benchmark, it gonna be hard to put
>> another 10dB on the scale. That would mean you would have to go from 600
>> to 6kw ?
>>
>> In my book, a good antenna system combined with medio power levels
>> (500-800 watts) is a very well balanced system. It's nice to have legal
>> limit in my house, but for 90% of the time I'm running my 2Ka only with
>> 25 tot 30 watts of drive, and I'm almost always first call ;-). If you
>> can't make it with 600 you won't make it with double power either.
>>
>> I think it's more a 'between the ear' thing....
>>
>> 73 Phil
>>
>>
>>
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14
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> Yahoo Groups Links
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5896. Re: [acom-list] Re: Acom 600S (Joel, K2QBV)

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-22 20:09:25 UTC
From: Brian Alsop
Topic: 5883 Message: 5896

Mel,

Remember failed "desktop dB" can be easier to fix than failed antennas
-- at least for many of us OT's.

73 de Brian/K3KO

On 5/22/2014 19:58, 'Mel Whitten' mel@... [acom-list] wrote:
> 2-3dB can make a difference between having a QSO or not having one using
> FreeDV digital voice under weak signal conditions.
>
> With DV, I am looking for a lot of signal margin to minimize the effects of
> 10 to 20+ dB drop in SNR under adverse conditions caused by multi-path or
> SSB QRM.
>
> Keeping the SNR above 3dB, will avoid speech dropouts.
>
> In general, however.. I agree with you Phil. I would rather have a better
> antenna than more power.
>
>
> Mel
> k0pfx
>
> ----- Original Message -----
> From: "Brian Alsop alsopb@... [acom-list]" <acom-list@yahoogroups.com>
> To: <acom-list@yahoogroups.com>
> Sent: Thursday, May 22, 2014 11:02 AM
> Subject: Re: [acom-list] Re: Acom 600S (Joel, K2QBV)
>
>
>> Right on Joel except, the last statement. It says 3db would make no
>> difference in a pileup. I strongly disagree with that. It gets
>> especially important in SSB and RTTY pileups. Having gone from 1500
>> watts to 600 watts, I really can tell the difference.
>>
>> 73 de Brian/K3KO
>>
>> On 5/22/2014 11:27, Joel k2qbv@... [acom-list] wrote:
>>>
>>>
>>> *Hello Phil,*
>>> *This is Joel, K2QBV and I think you're RIGHT ON with your comments. By
>>> the way, since our long QSOs, I had not spoken to you since you obtained
>>> the ACOM 2000.*
>>> *See ya sn,*

>>> *Joel*
>>>
>>> ---
>>> To: acom-list@yahoogroups.com
>>> From: acom-list@yahoogroups.com
>>> Date: Thu, 22 May 2014 02:49:08 -0700
>>> Subject: [acom-list] Re: Acom 600S
>>>
>>> John,
>>>
>>> I do not entirely agree with you. First the 600S to me is more a mid
>>> class power contender for the KPA500. Compact, small, light, easy to use
>>> for dx expeditions or portable travel.
>>>
>>> It would also serve well as a backup to my 2000a and having 600 watts on
>>> 50 Mhz to.
>>> So I see it more as an extension to the 1010 or 1011 models with a tube.
>>>
>>> Who knows Acom will release a more powerfull verion in the future to
>>> expand the legal limit range of amps like the 2000a and the 1500.
>>>
>>> On the other hand, I think that when running a station with a good
>>> antenna (still the most important factor) a 600watt output or 1,2kw
>>> output would not make to much of a difference on the opposites stations
>>> s-meter. Once you cross the S9 benchmark, it gonna be hard to put
>>> another 10dB on the scale. That would mean you would have to go from 600
>>> to 6kw ?
>>>
>>> In my book, a good antenna system combined with medio power levels
>>> (500-800 watts) is a very well balanced system. It's nice to have legal
>>> limit in my house, but for 90% of the time I'm running my 2Ka only with
>>> 25 tot 30 watts of drive, and I'm almost always first call ;-). If you
>>> can't make it with 600 you won't make it with double power either.
>>>
>>> I think it's more a 'between the ear' thing....
>>>
>>> 73 Phil
>>>
>>>
>>>
>>>
>>> No virus found in this message.
>>> Checked by AVG - www.avg.com <http://www.avg.com>
>>> Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14
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>> -----

>> No virus found in this message.
>> Checked by AVG - www.avg.com
>> Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14
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>> Yahoo Groups Links
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> Yahoo Groups Links
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> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2012.0.2247 / Virus Database: 3722/7038 - Release Date: 05/22/14

5897. Dust cover for the ACOM RCU-TFT Control

Yahoo group: acom-list (2010 — 2016)
Date: 2014-05-25 17:27:50 UTC
From: Rich Hallman - N7TR
Topic: 5897 Message: 5897

Living in the desert, we get our fair share of dust. With the new ACOM 2000's I just purchased, I wanted a way to keep the dust off the controllers while not in use. I contacted Stan at RadioDustCovers http://www.radiodustcovers.com/ and asked him if he could make the covers for me. I just received them last week and they looked fantastic. Wanted to share this with the group in case you were looking for covers. For what I had done, cost was around $26 each plus shipping.

You can see the covers on my QRZ page near the bottom. http://www.qrz.com/db/N7TR

Email Stan if you're interested...

Thanks...
Rich

Rich N7TR
ex KI3V, N3AMK, WB3JOV
www.n7tr.com<http://www.n7tr.com>
http://www.qrz.com/db/N7TR
Telnet: dxc.n7tr.com N7TR DXCluster

5898. Re: [acom-list] ACOM2000A - terrible noise during POWER ON cycl

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-07 00:14:18 UTC
From: Hal Kennedy
Topic: 5866 Message: 5898

There are no gears. The motor is self-centering and carries the blower squirrel cage to center with it. It is direct drive - one shaft.
The bearings in your blower motor are shot - the squirrel cage and its housing will be fine but if you have an original blower setup, it must be replaced as one unit.
Time to call ACOM and have them ship you a new one. They are very easy to swap out...
73,
Hal N4GG

On 1/5/2002 6:07 AM, 'John Peters' petersj007@... [acom-list] wrote:
> Sounds like a bearing starting to fail in the blower. When it is up
> to speed it self centers and stops making noise. See if the shaft is
> loose.
> 73 John K1ER
>
> ----- Original Message -----
> *From:* 'DL1AMQ' dl1amq@... [acom-list]
> <mailto:dl1amq@...%20[acom-list]>
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Sent:* Sunday, May 11, 2014 9:40 AM
> *Subject:* [acom-list] ACOM2000A - terrible noise during POWER ON cycl
>
> As a lucky ACOM2000A owner I ran into trouble after more than 3000
> hours of
> use.
>
> After PA switch on there is a terrible and very loud noise during
> POWER ON
> cycle caused by internal blower (not the short sound by load/tune
> position
> motors). After few seconds up to 2 minutes the noise disappears
> and blower
> sounds like he did for years.
> The strange noise sounds like defect gear mechanisms between motor
> axis and
> blower or blower wing scratches on blower housing or something
> else. There
> are no chips or any other failure indications visible.
>
> Anyone else had this experience before ? Any hint what to do ?
>
> Thanks in advance and 73 de Thomas, DL1AMQ

>
> ---
> Diese E-Mail ist frei von Viren und Malware, denn der avast!
> Antivirus Schutz ist aktiv.
> http://www.avast.com
>
>

5899. ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 04:03:44 UTC
From: kenw817821@...
Topic: 5899 Message: 5899

I am getting an occasional ARC Fault. Reset and it works for awhile more before occurring again.
In the past an ARC FAULT has pointed to a loose coax connector, etc. This time that does not seem to be the case. It could be the connection that is 70 feet up in the air. I hope not.
Has any one ever seen am ARC Fault to be something internal to the Acom 2000?
Ken K5WK

5900. RE: [acom-list] ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 04:15:24 UTC
From: Ron Castro
Topic: 5899 Message: 5900

Ken:

I had a lot of problems with Arc Faults in my 2000A and finally traced the problem to a couple of areas. One was that my Ten Tec Orion II seemed to put out some very low frequency pulses and triggered the Arc Fault circuit, although there was no actual arc. A high pass filter fixed that. Another problem was that the bias in the Orion II needed a new pot and an adjustment. And finally, in my opinion, the Arc Fault detection circuit is just too sensitive, so I shunted R132 on the Interface board(100k Ohms) with a 47 k Ohm resistor. R132 is found on Sheet 7 of the schematics in Appendix A of the Technical Supplement.

To be clear, the factory does not recommend this mod, which I found by Googling around, but I did the mod back two years ago, and the only time I get an Arc Fault now is when there is really an arc in the antenna!

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

Society of Broadcast Engineers

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: June 8, 2014 9:04 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ARC Fault Acom 2000a CW Full power

I am getting an occasional ARC Fault. Reset and it works for awhile more before occurring again.

In the past an ARC FAULT has pointed to a loose coax connector, etc. This time that does not seem to be the case. It could be the connection that is 70 feet up in the air. I hope not.

Has any one ever seen am ARC Fault to be something internal to the Acom 2000?

Ken K5WK

5901. RE: [acom-list] ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 05:39:21 UTC
From: kenw817821@...
Topic: 5899 Message: 5901

Your scenario is a problem outside the Acom 2000a. I was wondering if there is some flashing in the tubes, or similar.

I used to have Orions with the ACOM 2000 and had your problem. My exciter now is a K3, so I don't think its LF noise. But I am going to change out the driver coax to a different length just in case there is some frequency sensitive resonance there. I seem to see it only on 17 meters, and the Steppir does not show this on other bands. The other possible culprit is a MFJ RCS10 switch which I use with their RCS-12 automatic controller. I have never heard of one of those failing. As a precaution, I switched the beam to another position on the switch and still have the problem.

Thanks for you input.

5902. Re: [acom-list] ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 11:32:43 UTC
From: Unit365
Topic: 5899 Message: 5902

hi

simple idea, test amp on a big dummy load and you will know if the issue come from amp or if it’s after the amp.

73
Olivier
F4FQH

From: mailto:acom-list@yahoogroups.com
Sent: Monday, June 09, 2014 7:39 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ARC Fault Acom 2000a CW Full power

Your scenario is a problem outside the Acom 2000a. I was wondering if there is some flashing in the tubes, or similar.

I used to have Orions with the ACOM 2000 and had your problem. My exciter now is a K3, so I don't think its LF noise. But I am going to change out the driver coax to a different length just in case there is some frequency sensitive resonance there. I seem to see it only on 17 meters, and the Steppir does not show this on other bands. The other possible culprit is a MFJ RCS10 switch which I use with their RCS-12 automatic controller. I have never heard of one of those failing. As a precaution, I switched the beam to another position on the switch and still have the problem.

Thanks for you input.

5903. Re: ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 14:24:13 UTC
From: martins160@...
Topic: 5899 Message: 5903

Arc fault is your friend! It tells you there is a problem! You should never defeat it. If you do, the possibility of amp damage and expensive repairs can be your next step! Then you'll come here and complain about the 2000A which is literally bullet proof!

I experienced intermittent arc fault alarms and I determined it was my Alpha-Delta antenna switch! I replaced it with a high end/quality switch and the arc fault alarms stopped.

I also had an arc fault alarm that led me to a right angle SO239/PL259 adapter/connector. For the life of me it looked fine, and when checked with a DC ohm meter it showed no defect....The arc fault kept alarming..I replaced it with a new one and the alarms stopped!

I suspect a small RF burn hole and the DC ohm meter never saw it!

Bottom line, verify your entire RF system is operating 100% Don't just look at coax connectors!.

A dummy load will help you isolate the outside coax and antenna!

Please come back and let us know what you found as the source.

Martin ka7gkn

5904. Re: [acom-list] Re: ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 14:39:30 UTC
From: SIMON M0VKY
Topic: 5899 Message: 5904

HAD THIS WITH MY ACOM1000. MY RIG IS A FT5000.

it turned out to be LF spikes on TX when the rig is cold. due to its
circuitary design.
once the rig had got some heat into it, it didnt do it. acom sent me a
schematic for a LF filter for the input to the amp.

anyway sent the amp for a health check and all ok.

thinking back, peter hart when he done a review of the ft5k in radcom
commented on the LF spikes.

73 de simon M0VKY / M7O
07810183369
www.m0oxe.net
www.ukeicc.com

On 09/06/2014 15:24, martins160@... [acom-list] wrote:
>
> Arc fault is your friend! It tells you there is a problem! You should
> never
> defeat it. If you do, the possibility of amp damage and expensive repairs
> can be your next step! Then you'll come here and complain about the
> 2000A which is literally bullet proof!
>
> I experienced intermittent arc fault alarms and I determined it
> was my Alpha-Delta antenna switch! I replaced it with a high
> end/quality switch
> and the arc fault alarms stopped.
>
> I also had an arc fault alarm that led me to a right angle SO239/PL259
> adapter/connector. For the life of me it looked fine, and when
> checked with a
> DC ohm meter it showed no defect....The arc fault kept alarming..I
> replaced
> it with a new one and the alarms stopped!
>
> I suspect a small RF burn hole and the DC ohm meter never saw it!
>
> Bottom line, verify your entire RF system is operating 100% Don't
> just look at coax connectors!.
>
> A dummy load will help you isolate the outside coax and antenna!
>
> Please come back and let us know what you found as the source.
>

> Martin ka7gkn
>
>

5905. Re: [acom-list] Re: ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-09 15:05:03 UTC
From: Hal Kennedy
Topic: 5899 Message: 5905

There are two subtle arc fault causes Ill list here - one is peculiar to the K3.

The first is PTT/TR timing. I often run SO2R here...either of my 2000As would be fine until I went to ping-pong CQs, and then they would occasionally arc-fault. It turns out with the logging program controlling the CQs, which has transmit delay built into the software (delay from PTT closure to keying) was getting shortened up. The rigs here have a menu item for transmit delay - I lengthen that just a little and the problem went away. Hot switching will give you an arc fault every time. You can be close to having no margin and not realize it. There is a transmit inhibit signal available at the back of the 2000A which when hooked up will prevent this from happening. Most folks don't hook that line up.

The early K3 design transmitted significant spurs, some out of band, when a large aperture antenna was connected to the additional antenna receive jack. A beverage was large enough to do it consistently on 160M. Something in the K3 overloads or mixes when it should not. These out of band spurs will trip a 2000A via arc fault. Elecraft "fixed" this problem by adding a carrier-operated-relay (COR) which shorts the receive antenna input to ground during transmit. Unfortunately, while its a fix for transmitting crud all over the band, its not much of a fix for causing arc-faults. The relay is slow enough, that before it closes you will get a burst of crud. It may only last a few mSec and won't bother others on the band, but it will trip out auto-tune amps. If you have a large antenna connected to that jack, you will need to add a receiver protector in line and outboard to the K3 to solve the problem. Array Solutions makes a good one.

73,
Hal N4GG

5906. Re: ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-10 17:07:18 UTC
From: Don Kasten
Topic: 5899 Message: 5906

I too, experienced an excess of arc-fault trips with my A2000a, Orion II combination. I too eventually traced the problem to the PL259/SO239 right-angle connector I used on the amplifier coaxial output port. I cannot tell by visual inspection who the manufacturer was, but removing it, and several similar trial potential replacements, permanently solved the problem.

73,
Don
N4DK

5907. RE: ARC Fault Acom 2000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-10 20:17:56 UTC
From: kenw817821@...
Topic: 5907 Message: 5907

I had some false conclusions, where further testing revealed answers. I managed to get some failures with tests that had been OK before.
Finally it showed to be the Steppir antenna, 73 ft in the air, a conclusion I did not want.
But, I took it down and found the coax PL259 connection to it was not quite finger tight, and
even tightening up without a pair of pliers got rid of the problem.
It has seen years of vibration, and this time it will go on with substantial help in remaining in place .
I will tighten with pliers, apply a layer of silicone tape, then shrink wrap the sucker.
Then shrink wrap it a second time. I think that should hold it.
As it turned out, my nylon messenger line up the tower also had a problem, so I am replacing it with coated wire cable.
That should hold it together for another 10 years!
Ken K5WK

5908. ACOM 1000 T/R Relay Replacement?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-11 21:01:32 UTC
From: paul@...
Topic: 5908 Message: 5908

I need to replace the T/R relay in my ACOM 1000. I found a folder in the “files” of this group named VacRel_A1000. It contains some photos and a 2-page document about doing the replacement after the covers are removed.

I also found a document on removing the ACOM 1000 covers. It tells how to remove the top cover, discharge the capacitors, and remove the RF screen. I have done these steps, but it seems more must be removed to gain access to the T/R relay. A metal bracket covers the relay and other components. To remove the bracket, it looks like the front panel must be removed.

Are there any instructions available for removing the front panel? It seems to be fastened at the top by 3 screws and the bottom by 3 screws. The Tune, Load, and Band knobs will have to come off, and they have no set screws. Are they pressed on? I expect this has been documented. Can someone point me to it?

Paul
K5ESW

5909. Re: ACOM 1000 T/R Relay Replacement?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-12 13:44:54 UTC
From: Jay Terleski
Topic: 5908 Message: 5909

You will need to remove the front panel.
Take the knobs off. Use your fingernail to flip the covers off the knobs
and you will see how to take them off from the hardware you expose.
A metric nut driver is recommended.

Then remove the screws on top and bottom of the front panel, it will flip
down out of the way.

Now you can get to the VAC relay coil connections, the bracket hardware is
now visible and you can see how it comes out.

Jay,WX0B

--
Jay Terleski
Array Solutions
214 954 7140

5910. Acom1000 LCD backlight and power output reading

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-12 21:20:15 UTC
From: radiok7jq@...
Topic: 5910 Message: 5910

New owner of Acom 1000...two quick questions:

1. When turning on the mains switch on the back, the LCD backlight blinks on for a split second, and then goes dark with "Acom 1000" visible. Hitting the front panel power button to go online, the LCD backlight then illuminates OK. Is this normal?

2. I find the forward power reading on the amp to be about 6-7% higher than the reading on my Elecraft W-2 SWR meter. Then again, the W-2 might not be all that accurate. Comments on the amp's power output accuracy?

Other than these two minor queries, the amp performs great...quiet and tunes quick.

73, Bob K7JQ

5911. Re: [acom-list] Acom1000 LCD backlight and power output reading

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-12 21:44:42 UTC
From: W5OV@...
Topic: 5910 Message: 5911

Answers below:

On Thu, June 12, 2014 4:20 pm, radiok7jq@... [acom-list] wrote:
> New owner of Acom 1000...two quick questions:
>
>
> 1. When turning on the mains switch on the back, the LCD backlight blinks
> on for a split second, and then goes dark with "Acom 1000" visible.
> Hitting the front panel power button to go online, the LCD backlight then
> illuminates OK. Is this normal?

Yes - when the display is "dark", this is what they refer to in the manual
as the "Off Menu".

>
>
> 2. I find the forward power reading on the amp to be about 6-7% higher
> than the reading on my Elecraft W-2 SWR meter. Then again, the W-2 might
> not be all that accurate. Comments on the amp's power output accuracy?

Neither of these meters is known for their accuracy. You need an Array
Solutions Power Master if you want an accurate wattmeter.

>
>
> Other than these two minor queries, the amp performs great...quiet and
> tunes quick.
>
>
73,

Bob W5OV
Array Solutions

5912. Re: [acom-list] Acom1000 LCD backlight and power output reading

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-13 00:31:39 UTC
From: Robert Olschwang
Topic: 5910 Message: 5912

Thanks for the response, Bob. Glad to see both issues are the norm.

Sent from my iPad

5913. RE: [acom-list] Acom1000 LCD backlight and power output reading

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-13 09:15:43 UTC
From: Kees - pa7two
Topic: 5910 Message: 5913

Note: The accuracy of the Acom 1000 Watt meter deviates from specs especially when the SWR at the antenna is anything else than 1:1.1.

A +10% is considered normal.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 12 Jun 2014 17:31:39 -0700
Subject: Re: [acom-list] Acom1000 LCD backlight and power output reading

Thanks for the response, Bob. Glad to see both issues are the norm.

Sent from my iPad

5914. RE: [acom-list] Re: ACOM 1000 T/R Relay Replacement?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-13 09:29:00 UTC
From: Kees - pa7two
Topic: 5908 Message: 5914

Make sure that when re-assemble the knobs you set the plates of the capacitors in the correct position!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 12 Jun 2014 08:44:54 -0500
Subject: [acom-list] Re: ACOM 1000 T/R Relay Replacement?

You will need to remove the front panel. Take the knobs off. Use your fingernail to flip the covers off the knobs and you will see how to take them off from the hardware you expose.

A metric nut driver is recommended.

Then remove the screws on top and bottom of the front panel, it will flip down out of the way.

Now you can get to the VAC relay coil connections, the bracket hardware is now visible and you can see how it comes out.

Jay,WX0B
--
Jay Terleski
Array Solutions
214 954 7140

5915. RE: [acom-list] Re: ACOM 1000 T/R Relay Replacement?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-13 09:47:59 UTC
From: Dean St. Hill
Topic: 5908 Message: 5915

Very important to set those knobs to 0 or some known number before removing
so you will be able to set them accurately when reassembling.

Dean 8p6sh
On Jun 13, 2014 5:29 AM, "Kees - pa7two pa7two@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Make sure that when re-assemble the knobs you set the plates of the
> capacitors in the correct position!
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
>
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
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> ------------------------------
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 12 Jun 2014 08:44:54 -0500
> Subject: [acom-list] Re: ACOM 1000 T/R Relay Replacement?
>
>
>
> You will need to remove the front panel.
> Take the knobs off. Use your fingernail to flip the covers off the knobs
> and you will see how to take them off from the hardware you expose.
> A metric nut driver is recommended.
>
> Then remove the screws on top and bottom of the front panel, it will flip
> down out of the way.
>
> Now you can get to the VAC relay coil connections, the bracket hardware
> is now visible and you can see how it comes out.
>
> Jay,WX0B
>
> --
> Jay Terleski

> Array Solutions
> 214 954 7140
>
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>

5916. Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 16:34:42 UTC
From: on4vp@...
Topic: 5916 Message: 5916

Hot news, I got my brand new 600S installed in the shack.
https://www.youtube.com/watch?v=JEnfN7TZojA https://www.youtube.com/watch?v=JEnfN7TZojA

73 Phil ON4VP / OR5A

5917. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 17:36:05 UTC
From: W5OV@...
Topic: 5916 Message: 5917

Phil,

Perhaps you can explain how you have come to get "the first one sold in Europe" when Acom tells us they are not shipping production amplifiers yet?

Did you get a prototype unit from the Belgium dealer? As you can see on the back panel, this unit does not have the USA FCC certification number on it so it is not a production unit.

It likely will need modifications to match what will be produced later when they begin making them in quantity.

Bob W5OV
Array Solutions
North America Acom Dealer / Service

On Fri, June 20, 2014 11:34 am, on4vp@... [acom-list] wrote:
> Hot news, I got my brand new 600S installed in the shack.
> https://www.youtube.com/watch?v=JEnfN7TZojA
> https://www.youtube.com/watch?v=JEnfN7TZojA
>
>
> 73 Phil ON4VP / OR5A
>
>
>
>

5918. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 17:58:10 UTC
From: on4vp@...
Topic: 5916 Message: 5918

Hi,

Strange, I've been told by the dealer it is the first production. He sold 10 of them ?
Since I'm in Europe it has our CE label on the back !

73 Phil

5919. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 18:06:15 UTC
From: wally
Topic: 5916 Message: 5919

Bob,

CE mark is different from FCC and if ACOM has it they can sell the amp in EU
without problems.

73 Wally LZ2CJ

--- "W5OV@... [acom-list]" <acom-list@yahoogroups.com> ????????:
> Phil,
>
> Perhaps you can explain how you have come to get "the first one sold in
> Europe" when Acom tells us they are not shipping production amplifiers
> yet?
>
> Did you get a prototype unit from the Belgium dealer? As you can see on
> the back panel, this unit does not have the USA FCC certification number
> on it so it is not a production unit.
>
> It likely will need modifications to match what will be produced later
> when they begin making them in quantity.
>
> Bob W5OV
> Array Solutions
> North America Acom Dealer / Service
>
>
> On Fri, June 20, 2014 11:34 am, on4vp@... [acom-list] wrote:
> > Hot news, I got my brand new 600S installed in the shack.
> > https://www.youtube.com/watch?v=JEnfN7TZojA
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> > 73 Phil ON4VP / OR5A
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5920. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 19:04:38 UTC
From: W5OV@...
Topic: 5916 Message: 5920

I know that, but according to Acom, they have not completed final version of the 600S yet - and the FCC certification number will be on all production units regardless of what country they are sold in - just like every one of their other models. Certification was given by FCC for the 600S about one month ago.

Something is "fishy" as we say.

-Bob

On Fri, June 20, 2014 1:06 pm, 'wally' wally@... [acom-list] wrote:
> Bob,
>
>
> CE mark is different from FCC and if ACOM has it they can sell the amp in
> EU
> without problems.
>
> 73 Wally LZ2CJ
>
>
> --- "W5OV@... [acom-list]" <acom-list@yahoogroups.com> ????????:
>
>> Phil,
>>
>>
>> Perhaps you can explain how you have come to get "the first one sold in
>> Europe" when Acom tells us they are not shipping production amplifiers
>> yet?
>>
>> Did you get a prototype unit from the Belgium dealer? As you can see
>> on the back panel, this unit does not have the USA FCC certification
>> number on it so it is not a production unit.
>>
>> It likely will need modifications to match what will be produced later
>> when they begin making them in quantity.
>>
>> Bob W5OV
>> Array Solutions
>> North America Acom Dealer / Service
>>
>>
>>
>> On Fri, June 20, 2014 11:34 am, on4vp@... [acom-list] wrote:
>>
>>> Hot news, I got my brand new 600S installed in the shack.

>>> https://www.youtube.com/watch?v=JEnfN7TZojA
>>> https://www.youtube.com/watch?v=JEnfN7TZojA
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>>> 73 Phil ON4VP / OR5A
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5921. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 20:17:26 UTC
From: Bill NY9H
Topic: 5916 Message: 5921

I's suggest they are being wise and shipping some
to the EU, a small amount and close to home. And
then, when it has been out a short while, with no
issues start shipping the world...where we require the FCC.

bill

At 03:04 PM 6/20/2014, you wrote:
>I know that, but according to Acom, they have not completed final version
>of the 600S yet - and the FCC certification number will be on all
>production units regardless of what country they are sold in - just like
>every one of their other models. Certification was given by FCC for the
>600S about one month ago.
>
>Something is "fishy" as we say.
>
>-Bob
>
>On Fri, June 20, 2014 1:06 pm, 'wally' wally@... [acom-list] wrote:
> > Bob,
> >
> >
> > CE mark is different from FCC and if ACOM has it they can sell the amp in
> > EU
> > without problems.
> >
> > 73 Wally LZ2CJ
> >
> >
> > --- "W5OV@... [acom-list]" <acom-list@yahoogroups.com> íàïèñàíî:
> >
> >> Phil,
> >>
> >>
> >> Perhaps you can explain how you have come to get "the first one sold in
> >> Europe" when Acom tells us they are not shipping production amplifiers
> >> yet?
> >>
> >> Did you get a prototype unit from the Belgium dealer? As you can see
> >> on the back panel, this unit does not have the USA FCC certification
> >> number on it so it is not a production unit.
> >>
> >> It likely will need modifications to match what will be produced later
> >> when they begin making them in quantity.
> >>

> >> Bob W5OV
> >> Array Solutions
> >> North America Acom Dealer / Service
> >>
> >>
> >>
> >> On Fri, June 20, 2014 11:34 am, on4vp@... [acom-list] wrote:
> >>
> >>> Hot news, I got my brand new 600S installed in the shack.
> >>> https://www.youtube.com/watch?v=JEnfN7TZojA
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> >>> 73 Phil ON4VP / OR5A
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5922. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-20 21:26:03 UTC
From: Hsu
Topic: 5916 Message: 5922

What transistors we used in 600S?

From: mailto:acom-list@yahoogroups.com
Sent: Saturday, June 21, 2014 4:17 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 600S in shack

I's suggest they are being wise and shipping some
to the EU, a small amount and close to home. And
then, when it has been out a short while, with no
issues start shipping the world...where we require the FCC.

bill

At 03:04 PM 6/20/2014, you wrote:
>I know that, but according to Acom, they have not completed final version
>of the 600S yet - and the FCC certification number will be on all
>production units regardless of what country they are sold in - just like
>every one of their other models. Certification was given by FCC for the
>600S about one month ago.
>
>Something is "fishy" as we say.
>
>-Bob
>
>On Fri, June 20, 2014 1:06 pm, 'wally' wally@... [acom-list] wrote:
> > Bob,
> >
> >
> > CE mark is different from FCC and if ACOM has it they can sell the amp in
> > EU
> > without problems.
> >
> > 73 Wally LZ2CJ
> >
> >
> > --- "W5OV@... [acom-list]" <acom-list@yahoogroups.com> íàïèñàíî:
> >
> >> Phil,
> >>
> >>
> >> Perhaps you can explain how you have come to get "the first one sold in
> >> Europe" when Acom tells us they are not shipping production amplifiers
> >> yet?
> >>
> >> Did you get a prototype unit from the Belgium dealer? As you can see

> >> on the back panel, this unit does not have the USA FCC certification
> >> number on it so it is not a production unit.
> >>
> >> It likely will need modifications to match what will be produced later
> >> when they begin making them in quantity.
> >>
> >> Bob W5OV
> >> Array Solutions
> >> North America Acom Dealer / Service
> >>
> >>
> >>
> >> On Fri, June 20, 2014 11:34 am, on4vp@... [acom-list] wrote:
> >>
> >>> Hot news, I got my brand new 600S installed in the shack.
> >>> https://www.youtube.com/watch?v=JEnfN7TZojA
> >>> https://www.youtube.com/watch?v=JEnfN7TZojA
> >>>
> >>>
> >>>
> >>> 73 Phil ON4VP / OR5A
> >>>
> >>>
> >>>
> >>>
> >>>
> >>
> >>
> >>
> >>
> >> ------------------------------------
> >> Posted by: w5ov@w5ov.com
> >> ------------------------------------
> >>
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> >> Yahoo Groups Links
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>Posted by: w5ov@w5ov.com
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>Yahoo Groups Links
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5923. Re: Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-21 04:57:45 UTC
From: on4vp@...
Topic: 5916 Message: 5923

The shipping label on my box says June 16th, and it arrived yesterday at the local dealer. Got a phone call to pick it up. It was boxed in two boxes (one inside other) and in plastic the manual on top of amp.

I was told it was the first shipment. I had last of the first shipment. I needed to wire a 240vac socket (like on the 2000a). Afterwords I did all testing stated in the manual.

At this moment I need to write to Acom for a few small things:

1/ Call sign is in greeting message but ACOM 600S is stil showing when booting.
2/ At present time I'm using analogue voltage to detect bands. The CAT of the Icom runs to beam controller and Acom 2000a. The 600S will follow bands only when in OPR mode and not while in STBY. Also 12 and 17 are not detected. Will check it this remains when choosing proper TTL insteand of dc voltage.
3/ Serial number in service page is not shown. It remains 000000.

Apart from above. Has been running all night. Stays cool all the time. Noise comparable with fans of tube amps. Driving it 17,5 watts to full output from 80 to 6m. PSU is great. Key down remains 52 volts all the time. 17,5 amps when full output.

Fets are Freescale new MRFE6VP6300H

Protection circuit is top notch. Display is great to look at and high resolution fb graphics.
So far pleased with the results. First impression is great.

73 Phil

5924. Re: Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-21 05:00:12 UTC
From: on4vp@...
Topic: 5916 Message: 5924

If interested, first inside pictures: http://users.telenet.be/on4vp/acom/index.html

5925. Re: [acom-list] Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-21 09:03:55 UTC
From: Callum the Web Boss
Topic: 5916 Message: 5925

Great job Phil! Let us know about the answers you get from Bulgaria regarding your questions / bugs.

But it looks great.

Callum McCormick
Founder
-barclayjames.co.uk

I'm on iPhone, message might be short.

On 20 Jun 2014, at 17:34, "on4vp@... [acom-list]" <acom-list@yahoogroups.com> wrote:

Hot news, I got my brand new 600S installed in the shack.
https://www.youtube.com/watch?v=JEnfN7TZojA

73 Phil ON4VP / OR5A

5926. Re: Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-22 06:23:03 UTC
From: on4vp@...
Topic: 5916 Message: 5926

I got news from Val (Acom) regarding a mail I sent to the factory. Acom told me that indeed 10 amps have been shipped. These are final products but Acom according to Val is still working on some minor software issues. Acom asked the dealer to pass this info to the customer.

At present time I found out that I have 3 minor software bugs.

1/ The hello message keeps showing Acom 600s no matter what text you put in the box.
2/ Using analogue voltage for band data, the 12 and 17 m warc bands are not selected (10 and 15 instead).
3/ The serial number on the fault log page is display as a bunch of zeros.

Val appreciated my feedback and Acom will address this software issues next week at the office.

So far the amp runs since Friday and I had it going through it passes on the All Asian dx contest cw.
It runs very cool and the thermal design is great. I'm not a runner in this contest. Most of the time only the fan of the power supply is running and some heat is dissipated from the PSU transistors. The large fan on the back has only had a brief run while I was testing FM/RTTY on a free spot on some bands.

Great to see is that even at full load, the power supply is quiet and does not drop in voltage at all. Remains steady at 52,2 volts. Keeping paddle down for over two minutes and no drops in power. Temp rised to 55° and first fan speed kicked in. At that time noise in shack is same as tube amp. When in STBY amp fans will not run since there's no bias power nor power at the fets.

Finish is on par with other Acoms. It handles fine and dimensions are almost the same as my Icom radio.
Just a bit higher. With 12 kgs I think it will be just fine taking on airplanes or distant locations for dx. I hope Acom will come with a carrying bag in time.

Val told me that a larger production of 600s will released to dealers real soon (2 weeks?).

I think I got lucky. It seems I'm the first ham with this nice champ on the bench.
73 Phil

5927. Re: Acom 600S in shack

Yahoo group: acom-list (2010 — 2016)
Date: 2014-06-22 08:58:11 UTC
From: on4vp@...
Topic: 5916 Message: 5927

New video online taking a tour inside the 600S amplifier.
Acom 600S first inside view https://www.youtube.com/watch?v=zTraOJqMUxs

https://www.youtube.com/watch?v=zTraOJqMUxs

Acom 600S first inside view https://www.youtube.com/watch?v=zTraOJqMUxs This is my second video on the new 2014 Acom 600S solid state video. The video takes a tour around the components inside the amplifier.

View on www.youtube.com https://www.youtube.com/watch?v=zTraOJqMUxs
Preview by Yahoo

5928. Acom 2000A filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 17:55:53 UTC
From: martins160@...
Topic: 5928 Message: 5928

Don't forget to clean your 2000A filter!

With contests etc. you need maximum air flow
to keep the amp singing!

Here in dusty Arizona I clean the filter every 3 months.

Martin ka7gkn

5929. Re: [acom-list] Acom 2000A filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 18:18:20 UTC
From: W5OV@...
Topic: 5928 Message: 5929

Martin,

This is a good reminder. Despite the filter maintenance, some other dirt can get in the amplifier and the blower forces it into the tube deck.

Even more critical (especially for older amplifiers), is some other maintenance that probably should be done about once a year and this is to *disconnect power first* and turn the amplifier up on its side, remove the bottom cover on the tube deck and clear out any lint or dirt that may have accumulated there.

In some amplifiers, even the fins of the tubes can get clogged. This would be an extreme case, of course.

Sadly, we have just taken in for repair one such amplifier and the entire bottom of the tube deck area was clogged and full of lint and other stuff. One of the tubes is bad, the other is on the way out. Because of this, other components in the amplifier have also been damaged due to overheating and operating out of spec. Sad, and totally avoidable.

73,

Bob W5OV
Array Solutions
Acom North America Sales and Warranty Service

On Thu, July 10, 2014 12:55 pm, martins160@... [acom-list] wrote:
> Don't forget to clean your 2000A filter!
>
>
> With contests etc. you need maximum air flow
> to keep the amp singing!
>
> Here in dusty Arizona I clean the filter every 3 months.
>
>
> Martin ka7gkn
>
>
>
>

5930. Acom 2000A Tube deck

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 19:10:00 UTC
From: W1JCW
Topic: 5928 Message: 5930

Bob -

Can you access this area just from the bottom of the amp after you flip it over or is there more involved once you flip the amp over ??

I've never cleaned this area out but then again I have a clean house with no pet hair flying around as some do.

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 10, 2014 1:18 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A filter reminder

Martin,

This is a good reminder. Despite the filter maintenance, some other dirt can get in the amplifier and the blower forces it into the tube deck.

Even more critical (especially for older amplifiers), is some other maintenance that probably should be done about once a year and this is to *disconnect power first* and turn the amplifier up on its side, remove the bottom cover on the tube deck and clear out any lint or dirt that may have accumulated there.

In some amplifiers, even the fins of the tubes can get clogged. This would be an extreme case, of course.

Sadly, we have just taken in for repair one such amplifier and the entire bottom of the tube deck area was clogged and full of lint and other stuff. One of the tubes is bad, the other is on the way out. Because of this, other components in the amplifier have also been damaged due to overheating and operating out of spec. Sad, and totally avoidable.

73,

Bob W5OV

5931. Re: [acom-list] Acom 2000A Tube deck

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 19:51:06 UTC
From: W5OV@...
Topic: 5928 Message: 5931

Yes!

I just uploaded a bunch of photos to the website.

Specifically this photo will help with screw locations:

https://groups.yahoo.com/neo/groups/acom-list/photos/albums/1845961396/lightbox/2147269185

On Thu, July 10, 2014 2:10 pm, W1JCW w1jcw@... [acom-list] wrote:
> Bob -
>
>
>
>
> Can you access this area just from the bottom of the amp after you flip
> it over or is there more involved once you flip the amp over ??
>
>
>
> I've never cleaned this area out but then again I have a clean house with
> no pet hair flying around as some do.
>
>
>
> 73-
>
>
> W1JCW
>
>
> John
>
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> Sent: Thursday, July 10, 2014 1:18 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Acom 2000A filter reminder
>
>
>
>
>
>
>
> Martin,

>
>
> This is a good reminder. Despite the filter maintenance, some other dirt
> can get in the amplifier and the blower forces it into the tube deck.
>
> Even more critical (especially for older amplifiers), is some other
> maintenance that probably should be done about once a year and this is to
> *disconnect power first* and turn the amplifier up on its side, remove
> the bottom cover on the tube deck and clear out any lint or dirt that may
> have accumulated there.
>
> In some amplifiers, even the fins of the tubes can get clogged. This
> would be an extreme case, of course.
>
> Sadly, we have just taken in for repair one such amplifier and the entire
> bottom of the tube deck area was clogged and full of lint and other
> stuff. One of the tubes is bad, the other is on the way out. Because of
> this, other components in the amplifier have also been damaged due to
> overheating and operating out of spec. Sad, and totally avoidable.
>
> 73,
>
>
> Bob W5OV
>
>
>

5932. Acom 2000A Tube deck - Access

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 20:26:07 UTC
From: W1JCW
Topic: 5928 Message: 5932

Nice !!!

Okay something else to put on the list of things to do !

Thanks Bob !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 10, 2014 2:51 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A Tube deck

Yes!

I just uploaded a bunch of photos to the website.

Specifically this photo will help with screw locations:

https://groups.yahoo.com/neo/groups/acom-list/photos/albums/1845961396/lightbox/2147269185

On Thu, July 10, 2014 2:10 pm, W1JCW w1jcw@... [acom-list] wrote:
> Bob -
>
>
>
>
> Can you access this area just from the bottom of the amp after you flip
> it over or is there more involved once you flip the amp over ??
>
>
>
> I've never cleaned this area out but then again I have a clean house with
> no pet hair flying around as some do.
>
>
>
> 73-
>
>
> W1JCW
>
>

> John
>
>
>
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> Sent: Thursday, July 10, 2014 1:18 PM
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] Acom 2000A filter reminder
>
>
>
>
>
>
>
> Martin,
>
>
> This is a good reminder. Despite the filter maintenance, some other dirt
> can get in the amplifier and the blower forces it into the tube deck.
>
> Even more critical (especially for older amplifiers), is some other
> maintenance that probably should be done about once a year and this is to
> *disconnect power first* and turn the amplifier up on its side, remove
> the bottom cover on the tube deck and clear out any lint or dirt that may
> have accumulated there.
>
> In some amplifiers, even the fins of the tubes can get clogged. This
> would be an extreme case, of course.
>
> Sadly, we have just taken in for repair one such amplifier and the entire
> bottom of the tube deck area was clogged and full of lint and other
> stuff. One of the tubes is bad, the other is on the way out. Because of
> this, other components in the amplifier have also been damaged due to
> overheating and operating out of spec. Sad, and totally avoidable.
>
> 73,
>
>
> Bob W5OV

5933. Re: [acom-list] Acom 2000A filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 22:46:25 UTC
From: Callum the Web Boss
Topic: 5928 Message: 5933

I take mine and give it a rinse. Let it dry and put it back on. Is that what you do..?

Callum McCormick
Founder
-barclayjames.co.uk

I'm on iPhone, message might be short.

On 10 Jul 2014, at 18:55, "martins160@... [acom-list]" <acom-list@yahoogroups.com> wrote:

Don't forget to clean your 2000A filter!

With contests etc. you need maximum air flow
to keep the amp singing!

Here in dusty Arizona I clean the filter every 3 months.

Martin ka7gkn

5934. Re: [acom-list] Acom 2000A filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-10 23:15:12 UTC
From: Vic Culver
Topic: 5928 Message: 5934

I've cleaned my filter several times now, and the material is getting ragged. There doesn't seem to be a supply of filter material available, and advice from Bob at Array Solutions was to get something from the local big box store. I have not found anything useful there.

Can anyone suggest what they might be using for the filter material? Cheese cloth is too dense, I should think -- but I've not seen any of that wiry plastic material anywhere. Maybe I just don't look well enough. Vic, W4VIC

On 7/10/2014 6:46 PM, Callum the Web Boss callum@...
[acom-list] wrote:
> I take mine and give it a rinse. Let it dry and put it back on. Is
> that what you do..?
>
> Callum McCormick
> Founder
> -barclayjames.co.uk <http://barclayjames.co.uk>
>
> I'm on iPhone, message might be short.
>
> On 10 Jul 2014, at 18:55, "martins160@...
> <mailto:martins160@...> [acom-list]" <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> Don't forget to clean your 2000A filter!
>
> With contests etc. you need maximum air flow
> to keep the amp singing!
>
> Here in dusty Arizona I clean the filter every 3 months.
>
> Martin ka7gkn
>
>
>

5935. Re: [acom-list] Acom 2000A filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-11 01:13:54 UTC
From: Bill NY9H
Topic: 5928 Message: 5935

here is one ...
not even certain it is right size,
but i have bought the correct stuff in the store before,,,,
http://www.microcenter.com/product/391668/120mm_High_Flow_Mesh_Air_Filter
http://www.microcenter.com/product/391504/120mm_Fan_Filter

this looks like the one i bought , the frame just clips over the fan

bill

At 07:15 PM 7/10/2014, you wrote:

>I've cleaned my filter several times now, and
>the material is getting ragged. There doesn't
>seem to be a supply of filter material
>available, and advice from Bob at Array
>Solutions was to get something from the local
>big box store. I have not found anything useful there.
>
>Can anyone suggest what they might be using for
>the filter material? Cheese cloth is too dense,
>I should think -- but I've not seen any of that
>wiry plastic material anywhere. Maybe I just
>don't look well enough. Vic, W4VIC
>
>
>On 7/10/2014 6:46 PM, Callum the Web Boss
><mailto:callum@...>callum@barclayjames.co.uk [acom-list] wrote:
>>
>>I take mine and give it a rinse. Let it dry and
>>put it back on. Is that what you do..?
>>
>>Callum McCormick
>>Founder
>>-<http://barclayjames.co.uk>barclayjames.co.uk
>>
>>I'm on iPhone, message might be short.
>>
>>On 10 Jul 2014, at 18:55,
>>"<mailto:martins160@...>martins160@...
>>[acom-list]"
>><<mailto:acom-list@yahoogroups.com>acom-list@yahoogroups.com> wrote:
>>
>>
>>
>>Don't forget to clean your 2000A filter!

>>
>>With contests etc. you need maximum air flow
>>to keep the amp singing!
>>
>>Here in dusty Arizona I clean the filter every 3 months.
>>
>>Martin ka7gkn
>>
>
>
>
>

5936. Re: [acom-list] Acom 2000A filter reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-11 02:38:26 UTC
From: Mel Whitten
Topic: 5928 Message: 5936

I have used "Frost King" Polyurethane AC filter material for many years. It is 15"x24"x1/4" and can be cut easily, even washable. I usually just replace it.

I have the aux fan.

I cut out a piece larger than the fan/finger guard, fold it tightly over then secure with a rubber band.

When filter -starts- to turn "brown" from dust, I replace it.

I found the filter material at Lowes last time I bought it. Bob is right.. :-)

Mel, K0PFX

----- Original Message -----
From: Bill NY9H ny9h@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Thursday, July 10, 2014 8:13 PM
Subject: Re: [acom-list] Acom 2000A filter reminder

here is one ...
not even certain it is right size,
but i have bought the correct stuff in the store before,,,,
http://www.microcenter.com/product/391668/120mm_High_Flow_Mesh_Air_Filter
http://www.microcenter.com/product/391504/120mm_Fan_Filter

this looks like the one i bought , the frame just clips over the fan

bill

At 07:15 PM 7/10/2014, you wrote:

>I've cleaned my filter several times now, and
>the material is getting ragged. There doesn't
>seem to be a supply of filter material
>available, and advice from Bob at Array
>Solutions was to get something from the local
>big box store. I have not found anything useful there.
>
>Can anyone suggest what they might be using for
>the filter material? Cheese cloth is too dense,
>I should think -- but I've not seen any of that
>wiry plastic material anywhere. Maybe I just
>don't look well enough. Vic, W4VIC
>
>
>On 7/10/2014 6:46 PM, Callum the Web Boss
><mailto:callum@barclayjames.co.uk>callum@... [acom-list] wrote:

>>
>>I take mine and give it a rinse. Let it dry and
>>put it back on. Is that what you do..?
>>
>>Callum McCormick
>>Founder
>>-<http://barclayjames.co.uk>barclayjames.co.uk
>>
>>I'm on iPhone, message might be short.
>>
>>On 10 Jul 2014, at 18:55,
>>"<mailto:martins160@...>martins160@...
>>[acom-list]"
>><<mailto:acom-list@yahoogroups.com>acom-list@yahoogroups.com> wrote:
>>
>>
>>
>>Don't forget to clean your 2000A filter!
>>
>>With contests etc. you need maximum air flow
>>to keep the amp singing!
>>
>>Here in dusty Arizona I clean the filter every 3 months.
>>
>>Martin ka7gkn
>>
>
>
>
>

5937. 2000a not "auto tuning",.,,

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-11 19:43:08 UTC
From: Bill NY9H
Topic: 5928 Message: 5937

today when changing bands 20 to 40 with the usual "dit" the 2000a
did not follow the xcvr...

when i manually take the amp from 20 to 40 it works fine...
but will not rf sense...
and when i manually set to 20 , she jumps back to 40 ...
even though I'm trying to "dit" it to 20 ..... nothing happens.

on the display ,,,when xmitting , even with the amp doing power, the
freq measurement reads 0000....ugh

no rs232 hooked up ...

bill

5938. Acom 2000A Clean out

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-14 14:00:16 UTC
From: W1JCW
Topic: 5938 Message: 5938

Cleaned the beast out this weekend and removed the tube intake housing cover.

All looked good for 1yr.

Not much debris at the intake access panel which I'm surprised because I never knew about this until

Jay sent his email .

Intake filter in the back was in good shape as well so no need to replace the material.

Good PM info guys!

Thanks!

73-

W1JCW

John

5939. Re: ARC Fault Acom 2000a CW Full power

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-15 16:34:43 UTC
From: drew@...
Topic: 5899 Message: 5939

Ken,

I've had a number of arc faults over the years and always swore up and down that the amp must be too touchy. However, in every case I did eventually find a culprit, usually after it got bad enough to diagnose more easily. My hits were:

1) A Cal-Av bead balun was arcing on 17m at high power and moderate (2.5:1) SWR. The yagi vendor swore it couldn't possibly be the balun because "those never fail". It was. When it failed hard I found it charred inside.

2) My 40M beam started arc faulting when in the higher SWR part of the band. I checked out connections, balun, etc and eventually found a cheap SO239 double female barrel connector that arced at high power. Replacement with a teflon one solved the issue.

3) Occasionally, I have had the gas discharge tubes in alpha-delta lightning arrestors arc at high power. I suspect some might have been the 200W tubes incorrectly installed, but in any case a swap fixed the issue.

4) I haven't had it happen yet with the A2000, but stray strands of braid or melted and warped center conductor on soldered PL-259s will do it. My system reliability went up after I switched to crimped connectors. (But only if good ones, with the right tools!)

So now, whenever I get an arc fault, I now assume the amplifier knows what it is doing, and I look for bad baluns, connectors, and any other connections/transitions. It's a very nice feature.

73,
Drew K3PA

5940. Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-21 15:37:58 UTC
From: Lorenzo Mendini
Topic: 5910 Message: 5940

Hi, anyone can suggest me some software to “control” (turn on/off and more) my acom 2000 via PC?
Let me know. 73 IZ2FOS

5941. RE: [acom-list] Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-21 15:44:14 UTC
From: Máximo EA1DDO_HK1H
Topic: 5910 Message: 5941

Ciao Lorenzo,

As far as I know, first you need the R-P-A interface in your Acom 2000A.
You can get the RPA (Remote Power Adaptor) in Acom as accesory.

Then you can try a software like "Acom Director", for example.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 21 Jul 2014 17:37:58 +0200
Subject: [acom-list] Software ACOM 2000A

Hi,
anyone can suggest me some software to “control” (turn on/off and more) my acom
2000 via PC?

Let
me know. 73 IZ2FOS

Posted by: "Lorenzo Mendini" <iz2fos@...>

5942. Software ACOM 2000A - Link

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-21 15:58:53 UTC
From: W1JCW
Topic: 5910 Message: 5942

I use this software.

http://www.m0yom.co.uk/

Have you checked this out ??

73-

W1JCW

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, July 21, 2014 10:38 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Software ACOM 2000A

Hi, anyone can suggest me some software to “control” (turn on/off and more) my acom 2000 via PC?

Let me know.

73 IZ2FOS

5943. Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-22 10:20:29 UTC
From: Dennis
Topic: 5910 Message: 5943

Lorenzo

I built a unit to turn on the Acom2000A using a remote AC switch. Total cost about $30USD. Uses a Remote AC Switch and a delay circuit to close a relay for 1 1/2 to 2 seconds across the on/off switch.

I use Acom Director to switch between operate/standby. It was available on the web.

Dennis W1UE

5944. Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-22 11:19:18 UTC
From: dj0qn@...
Topic: 5910 Message: 5944

You have already received some good replies, but I will give you the information that I generally provide:

To turn the 2000a on and off, you need to add extra hardware. You can build this yourself as many have done, or buy the "Remote Power-on Adapter" from Acom through your dealer (cost is about 120 Euros). This is placed on the serial port at the back of the amplifier and looks like this:
http://k5fr.com/ddutilwiki/images/RPon.JPG http://k5fr.com/ddutilwiki/images/RPon.JPG

http://k5fr.com/ddutilwiki/images/RPon.JPG

http://k5fr.com/ddutilwiki/images/RPon.JPG http://k5fr.com/ddutilwiki/images/RPon.JPG

View on k5fr.com http://k5fr.com/ddutilwiki/images/RPon.JPG
Preview by Yahoo

Then you need software to control the Acom. Here are the four programs I am aware of:

AcomTools: http://www.acom-bg.com/ http://www.acom-bg.com/ (I can no longer find this on their web site but can mail it)

TRX-Acom: http://trx-manager.com/ is included with TRX-Manager (not free)

DDUtil: http://k5fr.com/ddutilwiki/index.php?title=Main_Page
Setup information for the 2000a:
http://k5fr.com/ddutilwiki/index.php?title=How_To#Setup_a_ACOM2000A_Linear_
Amplifier

Acom Director (MØYOM): http://www.m0yom.co.uk/ http://www.m0yom.co.uk/

Last, but not least, there is a combined hardware/software solution available from RemoteRig:
http://www.remoterig.com/wp/?page_id=1010 http://www.remoterig.com/wp/?page_id=1010
with the control by using a browser and not software on the PC

73,
Mitch DJ0QN

5945. Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-23 12:45:00 UTC
From: N3ND@...
Topic: 5910 Message: 5945

Schematic?

5946. Re: [acom-list] ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-23 12:49:19 UTC
From: E.P
Topic: 5910 Message: 5946

hi
is any one from U.K can tell me what will be the price for Acom 2000 in good condition ?
i am looking for one but do not know what price they run for
thank you 73 elan g0uut

From: "N3ND@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Wednesday, 23 July 2014, 13:45
Subject: [acom-list] Re: Software ACOM 2000A

Schematic?

5947. Re: [acom-list] ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-23 21:34:04 UTC
From: Trevor Dunne
Topic: 5910 Message: 5947

I know of one that sold recently for £1975 but it was old and I think maybe undervalued by up to 1k

They don't come up often over here,

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

5948. Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-24 08:47:29 UTC
From: Dennis Vernacchia
Topic: 5910 Message: 5948

I have the newer Control Head for one of my ACOM 2000A amos.

Am I to understand that even with the New Control Head, I still need an additional piece of hardware to remotely turn ON or OFF, the amplifier

73, Dennis N6KI

5949. RE: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-24 09:36:12 UTC
From: Bob Naumann
Topic: 5910 Message: 5949

Yes.

The RPON module from Acom, or the homebrew equivalent is required.

Bob W5OV

Array Solutions

North America Acom Sales and Warranty Service

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 24, 2014 3:47 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Software ACOM 2000A

I have the newer Control Head for one of my ACOM 2000A amos.

Am I to understand that even with the New Control Head, I still need an
additional piece of hardware to remotely turn ON or OFF, the amplifier

73, Dennis N6KI

5950. acom 1010 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-24 16:41:30 UTC
From: on4ct@...
Topic: 5950 Message: 5950

Dear

In a few days I will have an acom 1010 for repair work on my desk.
I have received the pictures R1 and R2 (White power resitors) on the main pcb are gone, the fuses next to the resistors seems the be good.
I suppose severe heating or high currents whipes out the resistors.

I think these resistors are the current limiting ones for the power supply, or the start up circuit.

I am in search for the schematics of this amp. I have found the manual on internet with one page of schematics, the main board is not in detail.

Has anyone experienced the same failure ?

73
Dirk
on4ct

5951. RE: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-25 19:15:22 UTC
From: w1srd@...
Topic: 5910 Message: 5951

Just to add my personal experience with trying to use the 2000A remotely. I purchased the RPON module from Array Solutions and hooked it up to the control PC. I also have the new RCU.

I use M0YOM's very nice software but be aware, there are faults that cannot be cleared remotely (Arc Fault being one).

I do not know if this is an Acom issue or a bug in the software as I have not had time to trouble shoot - and doing so would be no small effort.

In my case this left the amplifier running for almost 2 weeks until I could get back to the remote site.

Perhaps I was naive or overly optimistic, but bottom line, I would not recommend any solution using the 2000A for remote operation unless you also have a way to switch the A/C power to the amp remotely.

Acom really has made no effort to support remote operation IMO. There was nothing added with the new RCU nor have they ever produced control software or created API's for other developers to code to.

As far as I can tell the existing software is all reverse engineered and with that approach comes many pitfalls.

I love my 2000A's when I am in the shack, but Elecraft will likely get my business for an amp that works flawlessly remotely.

73,
Steve
W1SRD

5952. RE: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-26 03:32:35 UTC
From: Ron Castro
Topic: 5910 Message: 5952

I ran into the same quandary about what to do if the amp needs a reset, and came up with the idea of just wiring to the circuit board of the RCU “Enter” button and ran it to a remote controlled relay. While I was ‘in the neighborhood’, I hooked a wire to the “Power” button and hooked it to another remote relay, and I didn’t need the RPON module. Works like a charm in combination with the M0YOM software! I was working on a remote relay that would kill the 240 AC, but never got around to finishing it. So far, I haven’t needed it.

This setup also makes it easier to arm the auto-tune function, which never seems to work right by remote commands otherwise.

If you attempt this, you should use shielded wire and put a small RF choke in series with the connection to the buttons. I used those small ones that look like a resistor to keep RF out, plus ran the wires several turns through a toroid, and have had no RFI problems. The remote controlled relays are on an N8LP Remote control board, but any kind of relay closure at the remote site should work.

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

Society of Broadcast Engineers

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: July 25, 2014 12:15 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Software ACOM 2000A

Just to add my personal experience with trying to use the 2000A remotely. I purchased the RPON module from Array Solutions and hooked it up to the control PC. I also have the new RCU.

I use M0YOM's very nice software but be aware, there are faults that cannot be cleared remotely (Arc Fault being one).

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I love my 2000A's when I am in the shack, but Elecraft will likely get my business for an amp that works flawlessly remotely.

73,
Steve
W1SRD

5953. AW: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-26 08:30:06 UTC
From: Markus Schleutermann
Topic: 5910 Message: 5953

This nice little box will solve all your ACOM2000 remoting problems, running several 2000 remote for years now, never had a problem to do a remote reset and even autotuning works fine:

http://www.remoterig.com/wp/?page_id=1010#tabs-3

Forget about all the software solutions for the 2000, I never found one which is stable and reliable! The relay bridged switches on the remote panel are also a good solution for operate/standby or power on/off.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Freitag, 25. Juli 2014 21:15
An: acom-list@yahoogroups.com
Betreff: RE: [acom-list] Re: Software ACOM 2000A

Just to add my personal experience with trying to use the 2000A remotely. I purchased the RPON module from Array Solutions and hooked it up to the control PC. I also have the new RCU.

I use M0YOM's very nice software but be aware, there are faults that cannot be cleared remotely (Arc Fault being one).

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I love my 2000A's when I am in the shack, but Elecraft will likely get my business for an amp that works flawlessly remotely.

73,
Steve
W1SRD

5954. Re: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-26 10:56:12 UTC
From: Michael Tranchina
Topic: 5910 Message: 5954

Markus,

Does the remoterig solution also require the ACOM RPON (Remote Power On Adapter) in order to power on and off the Amp remotely?

Michael
KØSS

On Sat, Jul 26, 2014 at 4:30 AM, 'Markus Schleutermann' hb9azt@bluewin.ch [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> This nice little box will solve all your ACOM2000 remoting problems,
> running several 2000 remote for years now, never had a problem to do a
> remote reset and even autotuning works fine:
>
>
>
> http://www.remoterig.com/wp/?page_id=1010#tabs-3
>
>
>
> Forget about all the software solutions for the 2000, I never found one
> which is stable and reliable! The relay bridged switches on the remote
> panel are also a good solution for operate/standby or power on/off.
>
>
>
> 73 de Mark, HB9AZT
>
>
>
> *Von:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Gesendet:* Freitag, 25. Juli 2014 21:15
> *An:* acom-list@yahoogroups.com
> *Betreff:* RE: [acom-list] Re: Software ACOM 2000A
>
>
>
>
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>
> 73,
> Steve
> W1SRD
>
>
>

5955. Re: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-26 11:34:12 UTC
From: Dave
Topic: 5910 Message: 5955

From the diagram it looks like you do not need the RPON but you need to
connect the AUX-1 out on the Remote Rig unit to two wires in the cable
between the amp and Acom RCU.

Click on the Acom tab on that link and it shows the connection diagram.

Dave
wo2x

On 7/26/2014 6:56 AM, Michael Tranchina mikestraining@...
[acom-list] wrote:
> Markus,
>
> Does the remoterig solution also require the ACOM RPON (Remote Power
> On Adapter) in order to power on and off the Amp remotely?
>
> Michael
> KØSS
>
>
> On Sat, Jul 26, 2014 at 4:30 AM, 'Markus Schleutermann'
> hb9azt@... <mailto:hb9azt@...> [acom-list]
> <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>> wrote:
>
> This nice little box will solve all your ACOM2000 remoting
> problems, running several 2000 remote for years now, never had a
> problem to do a remote reset and even autotuning works fine:
>
> http://www.remoterig.com/wp/?page_id=1010#tabs-3
>
> Forget about all the software solutions for the 2000, I never
> found one which is stable and reliable! The relay bridged switches
> on the remote panel are also a good solution for operate/standby
> or power on/off.
>
> 73 de Mark, HB9AZT
>
> *Von:*acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>]
> *Gesendet:* Freitag, 25. Juli 2014 21:15
> *An:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Betreff:* RE: [acom-list] Re: Software ACOM 2000A
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> Just to add my personal experience with trying to use the 2000A
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> I love my 2000A's when I am in the shack, but Elecraft will likely
> get my business for an amp that works flawlessly remotely.
>
> 73,
> Steve
> W1SRD
>
>
>

5956. AW: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-26 13:29:55 UTC
From: Markus Schleutermann
Topic: 5910 Message: 5956

Hello Michal

No, the ACOM RPON is not required. Remoterig recommends a big 12V/230V relay to handle the main power line. In the box, there is a small relay which can be used as an actuator for the "big switch". So you can always do a hard reset even in case of nearly letal error messages. After many years of remote operations I can tell you, this little box saves you a lot of car mileage:-) You can even read-out all the parameters of the amp and there is a continous indication of power output and reflected power.

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Samstag, 26. Juli 2014 12:56
An: acom-list@yahoogroups.com
Betreff: Re: [acom-list] Re: Software ACOM 2000A

Markus,

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Michael
KØSS

On Sat, Jul 26, 2014 at 4:30 AM, 'Markus Schleutermann'
hb9azt@bluewin.ch<mailto:hb9azt@bluewin.ch> [acom-list]
<acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

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73 de Mark, HB9AZT

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[mailto:acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>]
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I love my 2000A's when I am in the shack, but Elecraft will likely get my business for an amp that works flawlessly remotely.

73,
Steve
W1SRD

5957. Re: AW: [acom-list] Re: Software ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-07-26 15:14:42 UTC
From: Bob Severson
Topic: 5910 Message: 5957

Marcus,

It doesn't seem to indicate that this box has more than one channel. So, I assume to control both a rotator and an ACOM 2000a would require 2 units.

Is this correct?

Bob
W0TLX

From: 'Markus Schleutermann' hb9azt@... [acom-list]
Sent: Saturday, July 26, 2014 1:29 PM
To: acom-list@yahoogroups.com
Subject: AW: [acom-list] Re: Software ACOM 2000A

Hello Michal

No, the ACOM RPON is not required. Remoterig recommends a big 12V/230V relay to handle the main power line. In the box, there is a small relay which can be used as an actuator for the "big switch". So you can always do a hard reset even in case of nearly letal error messages. After many years of remote operations I can tell you, this little box saves you a lot of car mileage:-) You can even read-out all the parameters of the amp and there is a continous indication of power output and reflected power.

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Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Samstag, 26. Juli 2014 12:56
An: acom-list@yahoogroups.com
Betreff: Re: [acom-list] Re: Software ACOM 2000A

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Michael

KØSS

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I love my 2000A's when I am in the shack, but Elecraft will likely get my business for an amp that works flawlessly remotely.

73,
Steve
W1SRD

5958. Acom 2000sw & New RCU Acom 2000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-01 15:47:12 UTC
From: pa3hgt@...
Topic: 5958 Message: 5958

Hello all,

I have a Acom 2000a with the new RCU and i am planning to buy an Acom 2000SW.
Is it possible to switch the Acom2000SW automatic to the right antenna when the Acom is changing bands ?

I think there's is a extra cable needed (DB9) between the Acom2000SW switchbox to the Acom 2000a RCU ?
Is this DB9 cable straight connencted or is it crossed in TXD/RXD ?

When someone has experience in the use of this combination , i am glad to read it.

Thanks in advance.

Hans,PA3HGT

5959. Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-03 02:16:53 UTC
From: paul@...
Topic: 5959 Message: 5959

I need to remove the Mains printed circuit board in my Acom 1000. I unplugged the connectors and disconnected the xfmr wires. I removed three bolts holding down the board, Now it seems all I need to do is release the board from seven plastic posts sticking up thru holes in the board. These posts have fins that flare out to keep the board down.

I can squeeze the fins with forceps, put a bit of upward pressure on the board, and get the fins thru the hole. This works OK, but after I get a few sets of fins thru their holes, the board gets captured by fins I have already released. Putting torque on the board does not seem to be a good idea.

Can anyone suggest an easy way to release the board from all the posts/fins without breaking anything?

73,
Paul
K5ESW

5960. Re: Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-03 03:41:28 UTC
From: pc2c@...
Topic: 5959 Message: 5960

Paul, be careful. The 7605 is also mounted to the chassis.

Rene

5961. Re: [acom-list] Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-03 03:51:52 UTC
From: Brian Alsop
Topic: 5959 Message: 5961

Hi Paul,

Seven, egads. Consider some stiff round plastic tubing pushed down against the board. Finding the right diameter could be a challenge though. The tubing keeps the fins compressed but can be lifted up with the board. Haven't tried this though.

Sorry to see you have to dig into the bowels of the amp.

73 de Brian/K3KO

On 8/3/2014 02:16, paul@... [acom-list] wrote:
>
>
> I need to remove the Mains printed circuit board in my Acom 1000. I
> unplugged the connectors and disconnected the xfmr wires. I removed
> three bolts holding down the board, Now it seems all I need to do is
> release the board from seven plastic posts sticking up thru holes in the
> board. These posts have fins that flare out to keep the board down.
>
>
> I can squeeze the fins with forceps, put a bit of upward pressure on the
> board, and get the fins thru the hole. This works OK, but after I get a
> few sets of fins thru their holes, the board gets captured by fins I
> have already released. Putting torque on the board does not seem to be a
> good idea.
>
>
> Can anyone suggest an easy way to release the board from all the
> posts/fins without breaking anything?
>
>
> 73,
>
> Paul
>
> K5ESW
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2247 / Virus Database: 3955/7465 - Release Date: 08/02/14
>

5962. Re: Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-03 14:30:26 UTC
From: paul@...
Topic: 5959 Message: 5962

Rene,

I do not see a "7605". What is it?

73,
Paul
K5ESW

5963. Re: Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-03 14:48:48 UTC
From: pc2c@...
Topic: 5959 Message: 5963

Sorry it was (too) early this morning
I mean 7805
Looking at the back of the amp it is on the right upper corner of the mainboard.

Rene

5964. Re: Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-03 16:15:58 UTC
From: paul@...
Topic: 5959 Message: 5964

Thanks Rene,

I removed the bolt on 7805 and I was able to release the fins one at a time and pry up the board. To remove the Mains board, there are 4 bolts and 8 plastic posts. One post was originally overlooked because it is in a narrow space between R4A (large 10 ohm resistor) and the transformer settings block.

73,
Paul
K5ESW

5965. acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-05 17:44:55 UTC
From: on4ct@...
Topic: 1207 Message: 5965

Hallo
my second attempt to this forum for information about the acom 1010 amp.
I have a 1010 on my repair desk with blown R1 and R2 on the mains board, I think these are the start-up resistors.

Has some one schematics of the mains board ?
Anyone who has experieced this kind of failure ?

With thanks
Dirk
on4ct

5966. RE: [acom-list] acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-05 20:41:17 UTC
From: Jan
Topic: 1207 Message: 5966

Hi,

Have you tried the manual.

There is an electronic version on the net.

Here’s a link to the schematics page.

http://www.acom-bg.com/oper_man_eng_a1010.pdf

But why not send ACOM an email?

acom@...m

They are very helpful.

73

Jan – LB2AG

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, August 05, 2014 7:45 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] acom 1010

Hallo

my second attempt to this forum for information about the acom 1010 amp.

I have a 1010 on my repair desk with blown R1 and R2 on the mains board, I think these are the start-up resistors.

Has some one schematics of the mains board ?

Anyone who has experieced this kind of failure ?

With thanks

Dirk

on4ct

5967. RE: [acom-list] acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-06 06:24:01 UTC
From: on4ct@...
Topic: 1207 Message: 5967

Jan
thank you for the reply.
In the manual is a simplified schematic without the needed details.
No answer yet form Acom, I send an email about 5 days ago ... maybe
holidays.

73
dirk
on4ct

5968. Re: acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-06 17:48:01 UTC
From: on4ct@...
Topic: 1207 Message: 5968

I got the needed info from Jay form Array Solutions .
with thanks

I can check and analyse what happed on the main board.

73
dirk

5969. RE: [acom-list] Re: acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-06 18:29:39 UTC
From: Kees - pa7two
Topic: 1207 Message: 5969

Hi OM Dirk,

Please keep us updated on the progress.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 6 Aug 2014 10:48:01 -0700
Subject: [acom-list] Re: acom 1010

I got the needed info from Jay form Array Solutions .
with thanks

I can check and analyse what happed on the main board.

73
dirk

5970. Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-06 23:15:03 UTC
From: sguenter@...
Topic: 5970 Message: 5970

Howdy,

I'm looking at the ACOM 1010, 1000 and 1500 manual ACOMs. Now remember I'm coming from a pre 1989 world of glass tube (3-500Z mostly) amps.

How does an ACOM 1010 and 1000 use the same tube but have a 2X power out factor. Is the 1010 really babying the tube along (.5kw out on a .7kw tube) and the 1000 is pushing it (1kw out on a .7kw tube)?

Thanx for any insight, Skip

5971. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-06 23:35:10 UTC
From: Brian Alsop
Topic: 5970 Message: 5971

Look at the power supply differences for starters!

73 de Brian/K3KO

On 8/6/2014 23:15, sguenter@... [acom-list] wrote:
>
>
> Howdy,
>
> I'm looking at the ACOM 1010, 1000 and 1500 manual ACOMs. Now remember
> I'm coming from a pre 1989 world of glass tube (3-500Z mostly) amps.
>
> How does an ACOM 1010 and 1000 use the same tube but have a 2X power out
> factor. Is the 1010 really babying the tube along (.5kw out on a .7kw
> tube) and the 1000 is pushing it (1kw out on a .7kw tube)?
>
> Thanx for any insight, Skip
>
>
>
>
>
> --
> Posted by: sguenter@...
> --
>

5972. Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-06 23:58:24 UTC
From: ab4bj@...
Topic: 5972 Message: 5972

I have a brand new Acom 1010 that I received today. I have connected it and am having difficulty getting it to tune. I am getting high reflected power and tripping the fault. I am using a G5RV and a SteppIR vertical. I am trying to tune on 75 meters. Before tuning, the G5 is about 2.0:1 and the SteppIR is about 1.07:1. On both antennas, when I reach about 450 watts forward, I hit 240 reflected and the fault trips. I have carefully followed the instructions to tune both antennas pursuant to the manual. I've checked all of my coax and have found no shorts or other problems. All coax was working fine with previous amp and with radio with amp out of line. The only thing I have found that is perplexing is that I have resistance between the center pin on the RF input port and ground on the amp. I don't have resistance between the center pin and ground on the two antenna ports. I suspect that this could be a short at the RF input connector but I have not opened up the amp to check at this point, but I've read and heard how solid the QC is on these amps, so I would be surprised if that was the problem.. Any ideas or suggestions would be appreciated. I'm not one to think that user error can never play a part! Thanks.

5973. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 01:15:07 UTC
From: Bob Naumann
Topic: 5972 Message: 5973

You should contact your dealer before doing anything with a brand new amplifier.

Who did you buy it from?

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, August 06, 2014 6:58 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1010 Tuning Problem

I have a brand new Acom 1010 that I received today. I have connected it and am having difficulty getting it to tune. I am getting high reflected power and tripping the fault. I am using a G5RV and a SteppIR vertical. I am trying to tune on 75 meters. Before tuning, the G5 is about 2.0:1 and the SteppIR is about 1.07:1. On both antennas, when I reach about 450 watts forward, I hit 240 reflected and the fault trips. I have carefully followed the instructions to tune both antennas pursuant to the manual. I've checked all of my coax and have found no shorts or other problems. All coax was working fine with previous amp and with radio with amp out of line. The only thing I have found that is perplexing is that I have resistance between the center pin on the RF input port and ground on the amp. I don't have resistance between the center pin and ground on the two antenna ports. I suspect that this could be a short at the RF input connector but I have not opened up the amp to check at this point, but I've read and heard how solid the QC is on these amps, so I would be surprised if that was the problem.. Any ideas or suggestions would be appreciated. I'm not one to think that user error can never play a part! Thanks.

5974. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 01:26:11 UTC
From: sguenter@...
Topic: 5970 Message: 5974

The only info I can find is that one is rated as 1200VA and the other is 2000VA under full load. Is there a readily available source of some additional info on the Power Supply units?

5975. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 03:23:56 UTC
From: Dean St. Hill
Topic: 5970 Message: 5975

Skip

My understanding is it's basically the power supply and of course some less highly rated rf components in the A1010 compared to the A1000. The other difference is of course the A1010 does not cover 6m which also reduces the production cost.

A quick look at the schematics suggests that the HV on the A1000 is nominally 2080V while on the A1010 it is something like 1660V. Another difference seems to be the use of a voltage doubler in the A1010 - the HV from the transformer is 830V and then it goes through the voltage doubler circuit and is eventually rectified to 1660V DC. on the other hand the A1000 uses a full wave rectifier with the 2KV ac coming off the transformer.

Certainly the plate voltage differences will indicate the significant power differences. The Acom 1000 will start to warn at plate current exceeding 700mA so assuming they are both similar in that regard, the A1010 would be about 1162 Watts input and the A1000 about 1435W input.

Additionally the cooling system on the Acom 1000 appears somewhat better than that on the A1010 - and can be upgraded with an additional cooling fan for high duty-cycle modes while there is no provision for anything similar on the Acom 1010.

Hope that puts it into perspective. I'm speaking subject to correction and based on recollections from various previous posts and discussions and a quick look at the schematics.

i'm not an expert by any means but am a happy A1000 owner and have operated others in the line.

Regards,

Dean - 8P6SH

On Wed, Aug 6, 2014 at 9:26 PM, sguenter@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> The only info I can find is that one is rated as 1200VA and the other is
> 2000VA under full load. Is there a readily available source of some
> additional info on the Power Supply units?
>
>

--
Dean St.Hill

*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados

246-266-8230
246-416-5277

dmsthill@gmail.com <dmsthill@...>

5976. Re: Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 08:55:39 UTC
From: frank@...
Topic: 5972 Message: 5976

Before you do anything to the amp try running the amp up into a 50 ohm dummy load, if the fault still occurs then I suspect you may have and issue with the SWR detection within the amp.
But I would suspect its more aerial issues, the dummy load will prove it one way or the other.

73's Frank G3YQA

5977. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 09:38:10 UTC
From: Kees - pa7two
Topic: 5972 Message: 5977

Did you try tuning to a decent dummyload?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 6 Aug 2014 20:15:07 -0500
Subject: RE: [acom-list] Acom 1010 Tuning Problem

You should contact your dealer before doing anything with a brand new amplifier. Who did you buy it from? From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, August 06, 2014 6:58 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1010 Tuning Problem

I have a brand new Acom 1010 that I received today. I have connected it and am having difficulty getting it to tune. I am getting high reflected power and tripping the fault. I am using a G5RV and a SteppIR vertical. I am trying to tune on 75 meters. Before tuning, the G5 is about 2.0:1 and the SteppIR is about 1.07:1. On both antennas, when I reach about 450 watts forward, I hit 240 reflected and the fault trips. I have carefully followed the instructions to tune both antennas pursuant to the manual. I've checked all of my coax and have found no shorts or other problems. All coax was working fine with previous amp and with radio with amp out of line. The only thing I have found that is perplexing is that I have resistance between the center pin on the RF input port and ground on the amp. I don't have resistance between the center pin and ground on the two antenna ports. I suspect that this could be a short at the RF input connector but I have not opened up the amp to check at this point, but I've read and heard how solid the QC is on these amps, so I would be surprised if that was the problem.. Any ideas or suggestions would be appreciated. I'm not one to think that user error can never play a part! Thanks.

5978. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 10:30:07 UTC
From: Kees - pa7two
Topic: 5970 Message: 5978

Some more details: Acom 1010 has a "normal" 220v relay instead of a vacuum RF relay to switch the RF power. Also the capacitors in the tank circuit are not the sturdy "fail proof" Russian type Green/Grey coloured doorknobs, instead the dollar type normal electronics units are used.

I love the dual output on the 1010, but I do not understand why the 6m was dismissed in this unit. That would have set the sales of the Acom 1010 SO much higher for sure.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 6 Aug 2014 23:23:56 -0400
Subject: Re: [acom-list] Help with understanding ACOM

Skip
My understanding is it's basically the power supply and of course some less highly rated rf components in the A1010 compared to the A1000. The other difference is of course the A1010 does not cover 6m which also reduces the production cost.

A quick look at the schematics suggests that the HV on the A1000 is nominally 2080V while on the A1010 it is something like 1660V. Another difference seems to be the use of a voltage doubler in the A1010 - the HV from the transformer is 830V and then it goes through the voltage doubler circuit and is eventually rectified to 1660V DC. on the other hand the A1000 uses a full wave rectifier with the 2KV ac coming off the transformer.

Certainly the plate voltage differences will indicate the significant power differences. The Acom 1000 will start to warn at plate current exceeding 700mA so assuming they are both similar in that regard, the A1010 would be about 1162 Watts input and the A1000 about 1435W input.

Additionally the cooling system on the Acom 1000 appears somewhat better than that on the A1010 - and can be upgraded with an additional cooling fan for high duty-cycle modes while there is no provision for anything similar on the Acom 1010.

Hope that puts it into perspective. I'm speaking subject to correction and based on recollections from various previous posts and discussions and a quick look at the schematics.

i'm not an expert by any means but am a happy A1000 owner and have operated others in the line.

Regards,
Dean - 8P6SH

On Wed, Aug 6, 2014 at 9:26 PM, sguenter@... [acom-list] <acom-list@yahoogroups.com> wrote:

The only info I can find is that one is rated as 1200VA and the other is 2000VA under full load. Is there a readily available source of some additional info on the Power Supply units?

--
Dean St.Hill

Counterpoint Consulting 17 Ocean CitySt.Philip
Barbados
246-266-8230246-416-5277

dmsthill@...

5979. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 20:19:12 UTC
From: ab4bj@...
Topic: 5972 Message: 5979

It will tune fine into the dummy load, so it's back to the drawing board with my coax and the antennas. I'm sure I have some glitch in there. Thanks for the input and advice. By the way, with the dummy load, I can only get the amp to output about 650 watts. When I add more drive, the G1 light comes on at 650. Any ideas?

5980. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 22:42:11 UTC
From: Dean St. Hill
Topic: 5972 Message: 5980

Thats probably about right may just be your voltage bring slightly off mains Vs whats Set up on the amp. other issuue may be if its set for 110v and your voltage is Not stiff . maybbe that outlet feeding the amp is also feeding other things around the shack .

Dean 8P6SH
On Aug 7, 2014 4:19 PM, "ab4bj@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> It will tune fine into the dummy load, so it's back to the drawing board
> with my coax and the antennas. I'm sure I have some glitch in there.
> Thanks for the input and advice. By the way, with the dummy load, I can
> only get the amp to output about 650 watts. When I add more drive, the G1
> light comes on at 650. Any ideas?
>
>

5981. Acom 1010 Fan Noise

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-07 23:36:34 UTC
From: joe_word@...
Topic: 5981 Message: 5981

Has anyone compaired the fan noise between the Acom 1010 and the 1000. I have owned the Acom 1000 and the fan was very quiet and am considering the 1010, but hate fan noise.

Note: I am looking for comments from actual use, not your opinion.

Also does the 1010 have a loud T/R relay?

Thanks,

Joe N9VX

5982. Re: [acom-list] Acom 1010 Fan Noise

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 00:08:35 UTC
From: Dean St. Hill
Topic: 5981 Message: 5982

Joe

The 1010 does have a loud relay. Very loud when you have gotten accustomed to the A1000.

The 1010 uses a blower and based on previous observations I would not describe it as being loud. it is basically on par with the A1000. Having said that I have a shack with fairly high ambient noise - computer and its many fans which represent the limiting factors to my observations.

I always felt however like I could actually hear the A1010 whereas the Acom 1000 I always felt like I never heard. But I was always more conscious of the A1010 in operation compared to the A1000 - which I always felt very comfortable with.

For me, I don't think the fan noise will be a bother unless you are very sensitive. What will probably irritate you is the loud relay.

Regards and 73

Dean - 8P6SH

On Thu, Aug 7, 2014 at 7:36 PM, joe_word@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Has anyone compaired the fan noise between the Acom 1010 and the 1000. I
> have owned the Acom 1000 and the fan was very quiet and am considering the
> 1010, but hate fan noise.
>
> Note: I am looking for comments from actual use, not your opinion.
>
> Also does the 1010 have a loud T/R relay?
>
> Thanks,
>
> Joe N9VX
>
>
>
>

--
Dean St.Hill

*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados

246-266-8230
246-416-5277

dmsthill@... <dmsthill@...>

5983. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 03:26:56 UTC
From: Skip Guenter
Topic: 5970 Message: 5983

Dean,

PERFECT... Thank you very much that's just the level I was looking
for. I actually understood that.

On 08/06/2014 10:23 PM, 'Dean St. Hill' dmsthill@... [acom-list]
wrote:
> Skip
>
> My understanding is it's basically the power supply and of course some
> less highly rated rf components in the A1010 compared to the A1000.
> The other difference is of course the A1010 does not cover 6m which
> also reduces the production cost.
>
> A quick look at the schematics suggests that the HV on the A1000 is
> nominally 2080V while on the A1010 it is something like 1660V. Another
> difference seems to be the use of a voltage doubler in the A1010 - the
> HV from the transformer is 830V and then it goes through the voltage
> doubler circuit and is eventually rectified to 1660V DC. on the other
> hand the A1000 uses a full wave rectifier with the 2KV ac coming off
> the transformer.
>
> Certainly the plate voltage differences will indicate the significant
> power differences. The Acom 1000 will start to warn at plate current
> exceeding 700mA so assuming they are both similar in that regard, the
> A1010 would be about 1162 Watts input and the A1000 about 1435W input.
>
> Additionally the cooling system on the Acom 1000 appears somewhat
> better than that on the A1010 - and can be upgraded with an additional
> cooling fan for high duty-cycle modes while there is no provision for
> anything similar on the Acom 1010.
>
> Hope that puts it into perspective. I'm speaking subject to correction
> and based on recollections from various previous posts and discussions
> and a quick look at the schematics.
>
> i'm not an expert by any means but am a happy A1000 owner and have
> operated others in the line.
>
> Regards,
>
> Dean - 8P6SH
>
--
S. R. 'Skip' Guenter, K5SRG//

5984. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 03:38:22 UTC
From: sguenter@...
Topic: 5970 Message: 5984

Kees,

More good info.

Do I have this right for CURRENT production... The A1010 has 2 antenna ports, the A1000 1 antenna SO-239 and the A1500 has 3 antenna SO-239s?

5985. testing

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 07:44:50 UTC
From: Bruce Meier
Topic: 5985 Message: 5985

Sorry for bandwidth - I am having reflector issues

/N1LN

5986. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 08:52:05 UTC
From: Kees - pa7two
Topic: 5970 Message: 5986

Correct!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 7 Aug 2014 20:38:22 -0700
Subject: RE: [acom-list] Help with understanding ACOM

Kees,

More good info.

Do I have this right for CURRENT production... The A1010 has 2 antenna ports, the A1000 1 antenna SO-239 and the A1500 has 3 antenna SO-239s?

5987. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 09:00:25 UTC
From: Kees - pa7two
Topic: 5972 Message: 5987

For an Acom 1010 a 650 Watt output on a calibrated RF power meter loaded into 50ohm dummyload is the expected RF output power.

If you need more, get an Acom 1000 or 1500... (seriously, the Acom 1010 is not build to provide more RF. running it at lower RF levels like 400-500Watt, your GU74B tube will last long. However, driving the Acom 1010 to the max RF output with every QSO, tube will not last long at all. Stay at least 20% under max RF output is the advice.

The 220v mains needs to have a low voltage drop under full load. Reason for me to have fully rewired the shack mains with much thicker copper cables. Draining 10 amps from my 220v mains now only gives a 2 -3 volt drop :-)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 7 Aug 2014 18:42:11 -0400
Subject: RE: [acom-list] Acom 1010 Tuning Problem

Thats probably about right may just be your voltage bring slightly off mains Vs whats Set up on the amp. other issuue may be if its set for 110v and your voltage is Not stiff . maybbe that outlet feeding the amp is also feeding other things around the shack .

Dean 8P6SH

On Aug 7, 2014 4:19 PM, "ab4bj@ab4bj.com [acom-list]" <acom-list@yahoogroups.com> wrote:

It will tune fine into the dummy load, so it's back to the drawing board with my coax and the antennas. I'm sure I have some glitch in there. Thanks for the input and advice. By the way, with the dummy load, I can only get the amp to output about 650 watts. When I add more drive, the G1 light comes on at 650. Any ideas?

5988. Re: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 09:19:18 UTC
From: Skip Guenter
Topic: 5972 Message: 5988

Hmmm, I thought it was rated 500W key down carrier... I was impressed
that it would do 650W!

On 08/08/2014 04:00 AM, Kees - pa7two pa7two@... [acom-list] wrote:
>
> For an Acom 1010 a 650 Watt output on a calibrated RF power meter
> loaded into 50ohm dummyload is the expected RF output power.
>
> If you need more, get an Acom 1000 or 1500... (seriously, the Acom
> 1010 is not build to provide more RF. running it at lower RF levels
> like 400-500Watt, your GU74B tube will last long. However, driving the
> Acom 1010 to the max RF output with every QSO, tube will not last long
> at all. Stay at least 20% under max RF output is the advice.
>
> The 220v mains needs to have a low voltage drop under full load.
> Reason for me to have fully rewired the shack mains with much thicker
> copper cables. Draining 10 amps from my 220v mains now only gives a 2
> -3 volt drop :-)
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
>
>
> --
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 7 Aug 2014 18:42:11 -0400
> Subject: RE: [acom-list] Acom 1010 Tuning Problem
>
>
> Thats probably about right may just be your voltage bring slightly off
> mains Vs whats Set up on the amp. other issuue may be if its set for
> 110v and your voltage is Not stiff . maybbe that outlet feeding the
> amp is also feeding other things around the shack .
> Dean 8P6SH
> On Aug 7, 2014 4:19 PM, "ab4bj@... <mailto:ab4bj@...>
> [acom-list]" <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> It will tune fine into the dummy load, so it's back to the drawing
> board with my coax and the antennas. I'm sure I have some glitch

> in there. Thanks for the input and advice. By the way, with the
> dummy load, I can only get the amp to output about 650 watts.
> When I add more drive, the G1 light comes on at 650. Any ideas?
>
>
>

--
S. R. 'Skip' Guenter, K5SRG
/40m SSB Late Coord/

5989. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 09:35:38 UTC
From: Kees - pa7two
Topic: 5972 Message: 5989

RTTY is 450 Watt, peak power 600-650Watt. (new tube, 220v mains that does not drop etc)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 8 Aug 2014 04:19:18 -0500
Subject: Re: [acom-list] Acom 1010 Tuning Problem

Hmmm, I thought it was rated 500W key down carrier... I was
impressed that it would do 650W!

On 08/08/2014 04:00 AM, Kees - pa7two
pa7two@... [acom-list] wrote:

For an Acom 1010 a 650 Watt output on a
calibrated RF power meter loaded into 50ohm dummyload is
the expected RF output power.

If you need more, get an Acom 1000 or 1500... (seriously,
the Acom 1010 is not build to provide more RF. running it
at lower RF levels like 400-500Watt, your GU74B tube will
last long. However, driving the Acom 1010 to the max RF
output with every QSO, tube will not last long at all.
Stay at least 20% under max RF output is the advice.

The 220v mains needs to have a low voltage drop under full
load. Reason for me to have fully rewired the shack mains
with much thicker copper cables. Draining 10 amps from my
220v mains now only gives a 2 -3 volt drop :-)

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com

From: acom-list@yahoogroups.com

Date: Thu, 7 Aug 2014 18:42:11 -0400

Subject: RE: [acom-list] Acom 1010 Tuning Problem

Thats probably about right may just be your voltage bring slightly off mains Vs whats Set up on the amp. other issuue may be if its set for 110v and your voltage is Not stiff . maybbe that outlet feeding the amp is also feeding other things around the shack .

Dean 8P6SH

On Aug 7, 2014 4:19 PM, "ab4bj@ab4bj.com [acom-list]" <acom-list@yahoogroups.com> wrote:

It will tune fine into the dummy load, so it's back to the drawing board with my coax and the antennas. I'm sure I have some glitch in there. Thanks for the input and advice. By the way, with the dummy load, I can only get the amp to output about 650 watts. When I add more drive, the G1 light comes on at 650. Any ideas?

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S. R. 'Skip' Guenter, K5SRG

40m SSB Late Coord

5990. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 10:06:15 UTC
From: frank@...
Topic: 5972 Message: 5990

With regard to your original problem, if you put the SteppIR into non auto track does the problem still occur, I have seen issues where due to common mode currents flowing in the shack the StepIR tries to auto tune to another frequency. The net result is that the linear sees this SWR change going greater than the trip point and the amp then shuts down, CORRECTLY.

Its just a thought.

With regard to the G5RV it is a good compromise aerial but that's what it is a compromise, the SWR will vary with frequency wind moving the aerial , trees blowing about near it etc. The protection circuit does not take prisoners its instantaneous, so try it with an atu and see if it sorts it, but its not the final answer and again you may have common mode current issues.

Throw up a quick and dirty 20 meter dipole trim it for a low swr and I bet your problem goes away.

Also you would be better on 220v ac, I bet it you measure your 110V ac line it will be all over the place on current peaks. You need a peak reading volt meter for absolute accuracy but a standard ac meter will give you an idea.

I hope that helps.

73's Frank G3YQA

5991. RE: [acom-list] Acom 1010 Tuning Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 10:21:52 UTC
From: Kees - pa7two
Topic: 5972 Message: 5991

I can only fully agree, a G5RV is a nice holiday style antenna for low power experiments. Try a normal dipole with equal side lengths instead as suggested.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 8 Aug 2014 03:06:15 -0700
Subject: RE: [acom-list] Acom 1010 Tuning Problem

With regard to your original problem, if you put the SteppIR into non auto track does the problem still occur, I have seen issues where due to common mode currents flowing in the shack the StepIR tries to auto tune to another frequency. The net result is that the linear sees this SWR change going greater than the trip point and the amp then shuts down, CORRECTLY.

Its just a thought.

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Throw up a quick and dirty 20 meter dipole trim it for a low swr and I bet your problem goes away.

Also you would be better on 220v ac, I bet it you measure your 110V ac line it will be all over the place on current peaks. You need a peak reading volt meter for absolute accuracy but a standard ac meter will give you an idea.

I hope that helps.

73's Frank G3YQA

5992. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 13:09:36 UTC
From: Dean St. Hill
Topic: 5970 Message: 5992

Very welcome Skip.

Can't say other than good things about Acom. Have had great experiences both with the amps and with the Head Office as well as from Array Solutions. At current prices they really are great value. For the additional benefits, operational information, 6m capability, higher power, RTTY operations - additional optional cooling, ease of changing operating voltages and troubleshooting features, I'd always choose the A1000 over the A1010 but there is another local ham who uses the A1010 and its light and quite small so I could see it's benefits to an op who is not active on 6m and who doesn't need a full KW.

Regards,

Dean - 8P6SH

On Thu, Aug 7, 2014 at 11:26 PM, Skip Guenter sguenter@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Dean,
>
> PERFECT... Thank you very much that's just the level I was looking for.
> I actually understood that.
>
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> On 08/06/2014 10:23 PM, 'Dean St. Hill' dmsthill@... [acom-list]
> wrote:
>
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> Skip
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> My understanding is it's basically the power supply and of course some
> less highly rated rf components in the A1010 compared to the A1000. The
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> A quick look at the schematics suggests that the HV on the A1000 is
> nominally 2080V while on the A1010 it is something like 1660V. Another
> difference seems to be the use of a voltage doubler in the A1010 - the HV
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> circuit and is eventually rectified to 1660V DC. on the other hand the
> A1000 uses a full wave rectifier with the 2KV ac coming off the transformer.
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> Certainly the plate voltage differences will indicate the significant
> power differences. The Acom 1000 will start to warn at plate current
> exceeding 700mA so assuming they are both similar in that regard, the A1010
> would be about 1162 Watts input and the A1000 about 1435W input.
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> Additionally the cooling system on the Acom 1000 appears somewhat better
> than that on the A1010 - and can be upgraded with an additional cooling fan
> for high duty-cycle modes while there is no provision for anything similar
> on the Acom 1010.
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> Hope that puts it into perspective. I'm speaking subject to correction
> and based on recollections from various previous posts and discussions and
> a quick look at the schematics.
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> i'm not an expert by any means but am a happy A1000 owner and have
> operated others in the line.
>
> Regards,
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> Dean - 8P6SH
>
> --
> S. R. 'Skip' Guenter, K5SRG
>
>
>

--
Dean St.Hill

*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados

246-266-8230
246-416-5277

dmsthill@... <dmsthill@...>

5993. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-08 19:27:18 UTC
From: Kees - pa7two
Topic: 5970 Message: 5993

Acom rulez in both quality as well in after service. Full stop.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 8 Aug 2014 09:09:36 -0400
Subject: Re: [acom-list] Help with understanding ACOM

Very welcome Skip.
Can't say other than good things about Acom. Have had great experiences both with the amps and with the Head Office as well as from Array Solutions. At current prices they really are great value. For the additional benefits, operational information, 6m capability, higher power, RTTY operations - additional optional cooling, ease of changing operating voltages and troubleshooting features, I'd always choose the A1000 over the A1010 but there is another local ham who uses the A1010 and its light and quite small so I could see it's benefits to an op who is not active on 6m and who doesn't need a full KW.

Regards,
Dean - 8P6SH

On Thu, Aug 7, 2014 at 11:26 PM, Skip Guenter sguenter@... [acom-list]
<acom-list@yahoogroups.com> wrote:

Dean,

PERFECT... Thank you very much that's just the level I was looking
for. I actually understood that.

On 08/06/2014 10:23 PM, 'Dean St. Hill'
dmsthill@...
[acom-list] wrote:

Skip

My understanding is it's basically the power supply
and of course some less highly rated rf components in
the A1010 compared to the A1000. The other difference is
of course the A1010 does not cover 6m which also reduces
the production cost.

A quick look at the schematics suggests that the HV
on the A1000 is nominally 2080V while on the A1010 it is
something like 1660V. Another difference seems to be the
use of a voltage doubler in the A1010 - the HV from the

transformer is 830V and then it goes through the voltage doubler circuit and is eventually rectified to 1660V DC. on the other hand the A1000 uses a full wave rectifier with the 2KV ac coming off the transformer.

Certainly the plate voltage differences will indicate the significant power differences. The Acom 1000 will start to warn at plate current exceeding 700mA so assuming they are both similar in that regard, the A1010 would be about 1162 Watts input and the A1000 about 1435W input.

Additionally the cooling system on the Acom 1000 appears somewhat better than that on the A1010 - and can be upgraded with an additional cooling fan for high duty-cycle modes while there is no provision for anything similar on the Acom 1010.

Hope that puts it into perspective. I'm speaking subject to correction and based on recollections from various previous posts and discussions and a quick look at the schematics.

i'm not an expert by any means but am a happy A1000 owner and have operated others in the line.

Regards,

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S. R. 'Skip' Guenter, K5SRG

--
Dean St.Hill

Counterpoint Consulting 17 Ocean CitySt.Philip
Barbados
246-266-8230246-416-5277

dmsthill@...

5994. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 01:54:12 UTC
From: Skip Guenter
Topic: 5970 Message: 5994

Dean, Kees, et al.,

I'm about 91.321784% convinced the A1000 is the best choice for me.
However before I push myself to declare this a decision made...

Tell my why I might want to at least consider prying loose from my
shaking hands an additional ~$1400 for an A1500 besides the obvious 500W?

Thanx, Skip

On 08/08/2014 08:09 AM, 'Dean St. Hill' dmsthill@... [acom-list]
wrote:
> Very welcome Skip.
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> experiences both with the amps and with the Head Office as well as
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> choose the A1000 over the A1010 but there is another local ham who
> uses the A1010 and its light and quite small so I could see it's
> benefits to an op who is not active on 6m and who doesn't need a full KW.
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> Regards,
>
> Dean - 8P6SH
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> Dean,
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>> correction and based on recollections from various previous posts
>> and discussions and a quick look at the schematics.
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>> i'm not an expert by any means but am a happy A1000 owner and
>> have operated others in the line.
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>> Regards,
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>> Dean - 8P6SH
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5995. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 12:53:53 UTC
From: Kees - pa7two
Topic: 5970 Message: 5995

Tube choice. GU74B are widely available and affordable. So, an Acom 1000 is king.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 8 Aug 2014 20:54:12 -0500
Subject: Re: [acom-list] Help with understanding ACOM

Dean, Kees, et al.,

I'm about 91.321784% convinced the A1000 is the best choice for me.
However before I push myself to declare this a decision made...

Tell my why I might want to at least consider prying loose from my
shaking hands an additional ~$1400 for an A1500 besides the obvious
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Thanx, Skip

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op who is not active on 6m and who doesn't need a full
KW.

Regards,

Dean - 8P6SH

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[acom-list] <acom-list@yahoogroups.com>

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On 08/06/2014 10:23 PM, 'Dean St. Hill' dmsthill@... [acom-list] wrote:

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additional cooling fan for high duty-cycle modes while there is no provision for anything similar on the Acom 1010.

Hope that puts it into perspective. I'm speaking subject to correction and based on recollections from various previous posts and discussions and a quick look at the schematics.

i'm not an expert by any means but am a happy A1000 owner and have operated others in the line.

Regards,

Dean - 8P6SH

5996. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 14:31:00 UTC
From: Dean St. Hill
Topic: 5970 Message: 5996

I currently have the Acom 1000 - actually had a pair of them and regret having sold one of them. It is an absolutely beautiful piece of equipment. When I buy again I would consider the A1500 as a first choice - but the price (really my own budgetting considerations) might end up pushing me back towards the A1000.

The A1500 is built essentially in the same sized case (a big plus) but of course the major differences seem to be a heftier power supply/transformer, a heftier (and I believe more readily available tube) and a significantly better display.

If money is not the limiting factor - I'd always lean towards the A1500 even if I run it closer to 1KW output that tube would last forever. A number of manufacturers stopped manufacturing equipment with the 4CX800 tube. Alpha, TenTec and just about every Amp manufacturer (Ameritron excluded) a few years ago had a product with the 4CX800 tube. I believe Acom remains one of the few (the only one I can think of but maybe others) that still manufacturers equipment based on this tube. There was a scare in terms of availability and that seems to have scared the other manufacturers. Acom says they have a pretty good supply of these tubes and they remain available at reasonable prices compared to similar/ceramic tubes.

However the 4CX1000 seems to be a solid tube - I am no expert but I figure with Alpha and Acom using the tube there should be good supply going forward. I believe the 4CX1000 is still manufactured in relatively large quantities. The 4CX800 is apparently still being manufactured but new tubes are expensive. NOS tubes are however in good supply and seem to be at stable prices - remember Acom owns like a whole warehouse of these.

So as I said once money is not the issue spring for the Acom 1500 but if that is too much power you'll be very very happy with the Acom 1000. I've owned 2 for like 18 amp/years (one for about 10 yrs the other for about 8) and have had only 2 problems with them during the period and haven't changed tubes either - even though I've seem maximum power decline from around 1150w to maybe 955W as measured on my (non-calibrated) watt-meter. I usually drive them for about 500w rtty output so that's no been an issue.

Hope I've provided information that can help you make your decision. look forward to welcoming you to the Acom-owners club either way.

Dean - 8P6SH

On Sat, Aug 9, 2014 at 8:53 AM, Kees - pa7two pa7two@...
[acom-list] <acom-list@yahoogroups.com> wrote:

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> Tube choice. GU74B are widely available and affordable. So, an Acom 1000
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> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Fri, 8 Aug 2014 20:54:12 -0500
>
> Subject: Re: [acom-list] Help with understanding ACOM
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> Regards,
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> Dean - 8P6SH
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Dean St.Hill

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246-266-8230
246-416-5277

dmsthill@... <dmsthill@...>

5997. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 15:33:12 UTC
From: Kees - pa7two
Topic: 5970 Message: 5997

Acom considered to use a GU43B as tube while designing the A1500. Since the Acom 1500 was initially designed for the USA market (most buyers), they went into the direction of the 4CX1000 tube. a 4CX1000 tube cannot be bought against a low price here in EU.

GU43B and GU74B are widely available and affordable. I have spare GU74B tubes of year 2008, nice and shiny like the EIMACs . Many of these are still in the warehouses.

Just my 2cts :-)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 9 Aug 2014 10:31:00 -0400
Subject: Re: [acom-list] Help with understanding ACOM

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The A1500 is built essentially in the same sized case (a big plus) but of course the major differences seem to be a heftier power supply/transformer, a heftier (and I believe more readily available tube) and a significantly better display.

If money is not the limiting factor - I'd always lean towards the A1500 even if I run it closer to 1KW output that tube would last forever. A number of manufacturers stopped manufacturing equipment with the 4CX800 tube. Alpha, TenTec and just about every Amp manufacturer (Ameritron excluded) a few years ago had a product with the 4CX800 tube. I believe Acom remains one of the few (the only one I can think of but maybe others) that still manufacturers equipment based on this tube. There was a scare in terms of availability and that seems to have scared the other manufacturers. Acom says they have a pretty good supply of these tubes and they remain available at reasonable prices compared to similar/ceramic tubes.

However the 4CX1000 seems to be a solid tube - I am no expert but I figure with Alpha and Acom using the tube there should be good supply going forward. I believe the 4CX1000 is still manufactured in relatively large quantities. The 4CX800 is apparently still being manufactured but new tubes are expensive. NOS tubes are however in good supply and seem to be at stable prices - remember Acom owns like a whole warehouse of these.

So as I said once money is not the issue spring for the Acom 1500 but if that is too much power you'll be very very happy with the Acom 1000. I've owned 2 for like 18 amp/years (one for about 10 yrs the other for about 8) and have had only 2 problems with them during the

period and haven't changed tubes either - even though I've seem maximum power decline from around 1150w to maybe 955W as measured on my (non-calibrated) watt-meter. I usually drive them for about 500w rtty output so that's no been an issue.

Hope I've provided information that can help you make your decision. look forward to welcoming you to the Acom-owners club either way.
Dean - 8P6SH

On Sat, Aug 9, 2014 at 8:53 AM, Kees - pa7two pa7two@... [acom-list]
<acom-list@yahoogroups.com> wrote:

Tube choice. GU74B are widely available and affordable. So, an Acom 1000 is king.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com

Date: Fri, 8 Aug 2014 20:54:12 -0500
Subject: Re: [acom-list] Help with understanding ACOM

Dean, Kees, et al.,

I'm about 91.321784% convinced the A1000 is the best choice for me. However before I push myself to declare this a decision made...

Tell my why I might want to at least consider prying loose from my shaking hands an additional ~$1400 for an A1500 besides the obvious 500W?

Thanx, Skip

On 08/08/2014 08:09 AM, 'Dean St. Hill'
dmsthill@... [acom-list] wrote:

Very welcome Skip.

Can't say other than good things about Acom. Have had great experiences both with the amps and with the Head Office as well as from Array Solutions. At current prices they really are great value. For the additional benefits, operational information, 6m capability, higher power, RTTY operations - additional optional cooling, ease of changing operating voltages and troubleshooting features, I'd always choose the A1000 over the A1010 but there is another local ham who uses the A1010 and its light and quite small so I could see it's benefits to an op who is not active on 6m and who doesn't need a full KW.

Regards,

Dean - 8P6SH

On Thu, Aug 7, 2014 at 11:26
PM, Skip Guenter sguenter@...
[acom-list] <acom-list@yahoogroups.com>
wrote:

Dean,

PERFECT... Thank you very much that's
just the level I was looking for. I
actually understood that.

On 08/06/2014 10:23 PM, 'Dean St.
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[acom-list] wrote:

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My understanding is it's
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rectified to 1660V DC. on the
other hand the A1000 uses a full
wave rectifier with the 2KV ac
coming off the transformer.

Certainly the plate voltage
differences will indicate the
significant power differences. The
Acom 1000 will start to warn at
plate current exceeding 700mA so
assuming they are both similar in
that regard, the A1010 would be
about 1162 Watts input and the
A1000 about 1435W input.

Additionally the cooling system
on the Acom 1000 appears somewhat
better than that on the A1010 -
and can be upgraded with an
additional cooling fan for high
duty-cycle modes while there is no
provision for anything similar on
the Acom 1010.

Hope that puts it into
perspective. I'm speaking subject
to correction and based on
recollections from various
previous posts and discussions and
a quick look at the schematics.

i'm not an expert by any means
but am a happy A1000 owner and
have operated others in the line.

Regards,

Dean - 8P6SH

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Dean St.Hill

Counterpoint Consulting 17 Ocean CitySt.Philip
Barbados
246-266-8230246-416-5277

dmsthill@...

5998. 2000A - Heater Current Too High Fault on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 18:03:01 UTC
From: richardstasiak@...
Topic: 5998 Message: 5998

I have a circa 2002 - 2000A that has been trouble free up till now. I searched the archives for this problem and saw a couple of prior references but no documentation of the problem was resolved.

Problem description: A few seconds after turn on it is failing to off with a message "Heater Current Too High". It does the same on a restart, so I cannot get the amp on at all.

I don't know if this related but a couple of times during operating the amp before this failure I was getting the heater light rapidly flashing which indicates the presence of high heater voltage. I checked the mains reading and it was showing in the high 250's V on the RCU. I measured the incoming mains voltage with an RMS digital voltmeter and saw 239 V so I didn't think anything of it at the time.

Any suggestions on troubleshooting the issue would be appreciated.

73

Rick ve3mm

5999. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 18:55:46 UTC
From: Skip Guenter
Topic: 5970 Message: 5999

Kees,

4cx1000As (@$200~$600) seem to be at least as available as the 4cx800A (@$150~$400).

I think the Alpha 8410 uses a pair of these 4x10s basically to replace some prior iteration that used a pair of 4x8s. So somebody at least is betting that the 4x10 supply will outlast that of the 4x8s. I'm not saying I subscribe to this just that somebody does.

I don't see 'nuff of a diff between these two tubes to make it much of a factor in a A1000 vs A1500 decision.

I read someplace the 4x10 takes less airflow to cool due to taller anode but I'm unencumbered by any actual knowledge on the subject. Is there any diff in the fans / cooling set up in the A1000 vs the A1500? Is the A1500 quieter?

Anybody have anything else that would drive them one way or the other between these two amps?

Oh there is the antenna out connection count thing.

Skip

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> From: acom-list@yahoogroups.com
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S. R. 'Skip' Guenter, K5SRG
/40m SSB Late Coord/

6000. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 20:16:20 UTC
From: Kees - pa7two
Topic: 5970 Message: 6000

Your tube prices are way different to what we pay here in EU...

PS: 400 dollar for an GU74B, mmmm I think I have a few of these tubes for sale right now for you :-) Year 2007/2008 tubes! Interested?
PSII: I bet you have already set your mind on an Acom 1500. Go for it and buy one man :-)

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From: acom-list@yahoogroups.com
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I read someplace the 4x10 takes less airflow to cool due to taller
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Is there any diff in the fans / cooling set up in the A1000 vs the
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Oh there is the antenna out connection count thing.

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Dean - 8P6SH

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S. R. 'Skip' Guenter, K5SRG

40m SSB Late Coord

6001. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 20:40:01 UTC
From: VU3UPZ
Topic: 5970 Message: 6001

Dear All,

Have a look @ these links....
http://n1su.com/acom.html
http://n1su.com/qro.html

Best 73s

de

VU3UPZ Vikas

On 8/9/14, Kees - pa7two pa7two@... [acom-list]
<acom-list@yahoogroups.com> wrote:
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> S. R. 'Skip' Guenter, K5SRG
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> 40m SSB Late Coord
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Vikas Vasudevan
Doha - The State of Qatar
http://facebook.com/vu3upz
http://www.qrz.com/db/vu3upz

6002. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 21:53:30 UTC
From: Skip Guenter
Topic: 5970 Message: 6002

Kees,

No, not really set on the A1500. In fact I'm probably more set on the A1000.

I was quoting the range of what I see being ask. I've located one for $158 shipped from a feEBay guy I've dealt with before.

Skip, K5SRG

On 08/09/2014 03:16 PM, Kees - pa7two pa7two@... [acom-list] wrote:
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> there any diff in the fans / cooling set up in the A1000 vs the
> A1500? Is the A1500 quieter?
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> Anybody have anything else that would drive them one way or the other
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> Oh there is the antenna out connection count thing.
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> Skip
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>
> On 08/09/2014 07:53 AM, Kees - pa7two pa7two@...
> <mailto:pa7two@...> [acom-list] wrote:
>
>
> Tube choice. GU74B are widely available and affordable. So, an
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>
> Vy 73, de Kees - PA7TWO - M5TWO
>
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
>
>
>
> ---
> To: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> From: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> Date: Fri, 8 Aug 2014 20:54:12 -0500
> Subject: Re: [acom-list] Help with understanding ACOM
>
> Dean, Kees, et al.,
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> me. However before I push myself to declare this a decision made...
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> Very welcome Skip.
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> information, 6m capability, higher power, RTTY operations -
> additional optional cooling, ease of changing operating
> voltages and troubleshooting features, I'd always choose the
> A1000 over the A1010 but there is another local ham who uses
> the A1010 and its light and quite small so I could see it's
> benefits to an op who is not active on 6m and who doesn't need
> a full KW.
>
> Regards,
>
> Dean - 8P6SH
>
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> [acom-list] <acom-list@yahoogroups.com
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> and of course some less highly rated rf components in
> the A1010 compared to the A1000. The other difference
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> reduces the production cost.
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> the A1000 is nominally 2080V while on the A1010 it is
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> the use of a voltage doubler in the A1010 - the HV
> from the transformer is 830V and then it goes through
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> rectified to 1660V DC. on the other hand the A1000

> uses a full wave rectifier with the 2KV ac coming off
> the transformer.
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> start to warn at plate current exceeding 700mA so
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> about 1435W input.
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> Additionally the cooling system on the Acom 1000
> appears somewhat better than that on the A1010 - and
> can be upgraded with an additional cooling fan for
> high duty-cycle modes while there is no provision for
> anything similar on the Acom 1010.
>
> Hope that puts it into perspective. I'm speaking
> subject to correction and based on recollections from
> various previous posts and discussions and a quick
> look at the schematics.
>
> i'm not an expert by any means but am a happy A1000
> owner and have operated others in the line.
>
> Regards,
>
> Dean - 8P6SH
>

6003. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 22:21:43 UTC
From: Kees - pa7two
Topic: 5970 Message: 6003

Make sure you get a NOS in original packaging.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 9 Aug 2014 16:53:30 -0500
Subject: Re: [acom-list] Help with understanding ACOM

Kees,

No, not really set on the A1500. In fact I'm probably more set on
the A1000.

I was quoting the range of what I see being ask. I've located one
for $158 shipped from a feEBay guy I've dealt with before.

Skip, K5SRG

On 08/09/2014 03:16 PM, Kees - pa7two
pa7two@hotmail.com [acom-list] wrote:

Your tube prices are way different to what we
pay here in EU...

PS: 400 dollar for an GU74B, mmmm I think I have a few of
these tubes for sale right now for you :-) Year 2007/2008
tubes! Interested?

PSII: I bet you have already set your mind on an Acom
1500. Go for it and buy one man :-)

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com

From: acom-list@yahoogroups.com

Date: Sat, 9 Aug 2014 13:55:46 -0500

Subject: Re: [acom-list] Help with understanding ACOM

Kees,

4cx1000As (@$200~$600) seem to be at least as
available as the 4cx800A (@$150~$400).

I think the Alpha 8410 uses a pair of these 4x10s
basically to replace some prior iteration that
used a pair of 4x8s. So somebody at least is
betting that the 4x10 supply will outlast that of
the 4x8s. I'm not saying I subscribe to this just
that somebody does.

I don't see 'nuff of a diff between these two
tubes to make it much of a factor in a A1000 vs
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I read someplace the 4x10 takes less airflow to
cool due to taller anode but I'm unencumbered by
any actual knowledge on the subject. Is there any
diff in the fans / cooling set up in the A1000 vs
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Anybody have anything else that would drive them
one way or the other between these two amps?

Oh there is the antenna out connection count
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Twitter: @PA7TWO

To: acom-list@yahoogroups.com

From: acom-list@yahoogroups.com

Date: Fri, 8 Aug 2014 20:54:12 -0500

Subject: Re: [acom-list] Help with
understanding ACOM

Dean, Kees, et
al.,

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A1000 is the best choice for me.
However before I push myself to
declare this a decision made...

Tell my why I might want to at least
consider prying loose from my
shaking hands an additional ~$1400
for an A1500 besides the obvious
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Thanx, Skip

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Hill' dmsthill@...
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Very welcome
Skip.

Can't say other than good
things about Acom. Have had
great experiences both with
the amps and with the Head
Office as well as from Array
Solutions. At current prices
they really are great value.
For the additional benefits,
operational information, 6m
capability, higher power,
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optional cooling, ease of
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features, I'd always choose
the A1000 over the A1010 but
there is another local ham
who uses the A1010 and its
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Regards,

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Thu, Aug 7, 2014 at 11:26
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[acom-list] <acom-list@yahoogroups.com>
wrote:

Dean,

PERFECT...
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A quick
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would be about
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Hope that
puts it into
perspective.
I'm speaking
subject to
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i'm not
an expert by
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am a happy
A1000 owner
and have

operated
others in the
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Regards,

Dean -
8P6SH

6004. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 22:49:44 UTC
From: Dean St. Hill
Topic: 5970 Message: 6004

The tube issue and price is a difficult one unless you are comparing like with like.

I am not really big on NOS tubes because I don't like the idea of possibly having to de-gas them by "burning them in" or "cooking" them as I call it - placing them in the socket and running them without the HV attached. I'd rather not do that.

I would therefore faster buy a tube from say Array Solutions which has been gettered and tested. These tubes will naturally cost much more than NOS that have not been gettered. That's purely a personal preference but I think that is where the price difference is. Naturally when I buy from Array or somewhere similar I'm buying into their overhead which tubes'r'us dot com may not have. Again not suggesting one way is better than the other just my personal preferences.

Certainly if you have the A1000 there is no need for anything else. If buying new this is a very useful debate as there are factors which would influence the decision - some are marketing - three outputs for example. Most stations with multiple antennas probably already have some kind of switching and for my SO2R setup - I don't need it. if you're just setting up a new station it could be a big deal - saving some bucks.

As to the matter of tubes. What I represented is what I understand the situation to be viz a viz the two tubes. There is a lengthy explanation on the Array website that seeks to clarify the 4CX800 issue.

The A1500 is now one of the cheaper, high-quality 1.5KW amps on the market. normally we would not even be discussing a KW vs a 1.5KW amp - so it speaks to their very competitive positions that the KW amp is good enough quality and price to be considered in a 1.5KW world and vice versa.

The decision will not be an easy one and i could understand leaning towards the cheaper model afterall this is a hobby and at the current price-point, it is really serious value. It was good value when the price was nearly a thousand bucks more!!!

73 and best regards,

Dean

- while the A1500 based on its price

On Sat, Aug 9, 2014 at 6:21 PM, Kees - pa7two pa7two@hotmail.com [acom-list] <acom-list@yahoogroups.com> wrote:

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> Make sure you get a NOS in original packaging.
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> Vy 73, de Kees - PA7TWO - M5TWO
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> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Sat, 9 Aug 2014 16:53:30 -0500
>
> Subject: Re: [acom-list] Help with understanding ACOM
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> Your tube prices are way different to what we pay here in EU...
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> PS: 400 dollar for an GU74B, mmmm I think I have a few of these tubes for
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> From: acom-list@...m
> Date: Fri, 8 Aug 2014 20:54:12 -0500
> Subject: Re: [acom-list] Help with understanding ACOM
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> Thanx, Skip
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>
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> Regards,
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> Dean - 8P6SH
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> [acom-list] <acom-list@yahoogroups.com> wrote:
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> Dean,
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> PERFECT... Thank you very much that's just the level I was looking for.
> I actually understood that.
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> Skip
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> for high duty-cycle modes while there is no provision for anything similar
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> Hope that puts it into perspective. I'm speaking subject to correction
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> i'm not an expert by any means but am a happy A1000 owner and have
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> Regards,
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> Dean - 8P6SH
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>

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Dean St.Hill

*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados

246-266-8230
246-416-5277

dmsthill@... <dmsthill@...>

6005. Re: [acom-list] 2000A - Heater Current Too High Fault on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-09 23:32:59 UTC
From: Dean St. Hill
Topic: 5998 Message: 6005

Failing or failed tubes???

Dean - 8P6SH

On Sat, Aug 9, 2014 at 2:03 PM, richardstasiak@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> I have a circa 2002 - 2000A that has been trouble free up till now. I
> searched the archives for this problem and saw a couple of prior references
> but no documentation of the problem was resolved.
>
>
> Problem description: A few seconds after turn on it is failing to off with
> a message "Heater Current Too High". It does the same on a restart, so I
> cannot get the amp on at all.
>
>
> I don't know if this related but a couple of times during operating the
> amp before this failure I was getting the heater light rapidly flashing
> which indicates the presence of high heater voltage. I checked the mains
> reading and it was showing in the high 250's V on the RCU. I measured the
> incoming mains voltage with an RMS digital voltmeter and saw 239 V so I
> didn't think anything of it at the time.
>
>
> Any suggestions on troubleshooting the issue would be appreciated.
>
>
> 73
>
>
> Rick ve3mm
>
>
>

--
Dean St.Hill

*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados

246-266-8230
246-416-5277

dmsthill@... <dmsthill@...>

6006. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 05:24:05 UTC
From: Hans Remeeus
Topic: 5970 Message: 6006

The best source in Europe to buy tubes like the GU74b/4CX800A is Vine Antennas Ltd. in the UK: http://www.vinecom.co.uk/

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Dean St. Hill' dmsthill@... [acom-list] schreef op 10-8-2014 00:49:
>
>
> The tube issue and price is a difficult one unless you are comparing
> like with like.
>
> I am not really big on NOS tubes because I don't like the idea of
> possibly having to de-gas them by "burning them in" or "cooking" them
> as I call it - placing them in the socket and running them without the
> HV attached. I'd rather not do that.
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> I would therefore faster buy a tube from say Array Solutions which has
> been gettered and tested. These tubes will naturally cost much more
> than NOS that have not been gettered. That's purely a personal
> preference but I think that is where the price difference is.
> Naturally when I buy from Array or somewhere similar I'm buying into
> their overhead which tubes'r'us dot com may not have. Again not
> suggesting one way is better than the other just my personal preferences.
>
> Certainly if you have the A1000 there is no need for anything else. If
> buying new this is a very useful debate as there are factors which
> would influence the decision - some are marketing - three outputs for
> example. Most stations with multiple antennas probably already have
> some kind of switching and for my SO2R setup - I don't need it. if
> you're just setting up a new station it could be a big deal - saving
> some bucks.
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> As to the matter of tubes. What I represented is what I understand the
> situation to be viz a viz the two tubes. There is a lengthy
> explanation on the Array website that seeks to clarify the 4CX800 issue.
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> The A1500 is now one of the cheaper, high-quality 1.5KW amps on the
> market. normally we would not even be discussing a KW vs a 1.5KW amp -
> so it speaks to their very competitive positions that the KW amp is
> good enough quality and price to be considered in a 1.5KW world and

> vice versa.
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> The decision will not be an easy one and i could understand leaning
> towards the cheaper model afterall this is a hobby and at the current
> price-point, it is really serious value. It was good value when the
> price was nearly a thousand bucks more!!!
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> 73 and best regards,
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> Dean
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>
> - while the A1500 based on its price
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6007. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 11:36:49 UTC
From: Kees - pa7two
Topic: 5970 Message: 6007

Hans,

There are many resources for GU74B. Even three amateur radioshops in The Netherlands sell tested and guaranteed GU74B tubes against very reasonable prices... Getting a spare GU74B is nothing special as long as the NOS stocks do not dry up. On HAM events often sold as well.

To sum up: Obtaining a GU74B tube is nothing special, some make it a mistic & difficult to get object. It is NOT.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 10 Aug 2014 07:24:05 +0200
Subject: Re: [acom-list] Help with understanding ACOM

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Vine Antennas Ltd. in the UK: http://www.vinecom.co.uk/

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
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'Dean St. Hill' dmsthill@... [acom-list] schreef op
10-8-2014 00:49:

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73 and best regards,

Dean

- while the A1500 based on its price

6008. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 11:51:41 UTC
From: Steve Tripp (K1IIG)
Topic: 5970 Message: 6008

All,
As an FYI, I purchased 2 NOS tubes from Vine a couple of years ago falling victim to the PANIC that they are no longer going to be available. I paid $500 USD and they are still in the original box sitting on my shelf waiting for a failure with my Acom 2000a. At my age there is a chance I might fail before my tubes in service do...hihi

73's
Steve

Hans,

There are many resources for GU74B. Even three amateur radioshops in The Netherlands sell tested and guaranteed GU74B tubes against very reasonable prices... Getting a spare GU74B is nothing special as long as the NOS stocks do not dry up. On HAM events often sold as well.

To sum up: Obtaining a GU74B tube is nothing special, some make it a mistic & difficult to get object. It is NOT.

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 10 Aug 2014 07:24:05 +0200
Subject: Re: [acom-list] Help with understanding ACOM

The best source in Europe to buy tubes like the GU74b/4CX800A is Vine Antennas Ltd. in the UK: http://www.vinecom.co.uk/

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.
'Dean St. Hill' dmsthill@... [acom-list] schreef op 10-8-2014 00:49:

The tube issue and price is a difficult one unless you are comparing like with like.

I am not really big on NOS tubes because I don't like the idea of possibly having to de-gas them by "burning them in" or "cooking" them as I call it - placing them in the socket and running them without the HV attached. I'd rather not do that.

I would therefore faster buy a tube from say Array Solutions which has been gettered and tested. These tubes will naturally cost much more than NOS that have not been gettered. That's purely a personal preference but I think that is where the price difference is. Naturally when I buy from Array or somewhere similar I'm buying into their overhead which tubes'r'us dot com may not have. Again not suggesting one way is better than the other just my personal preferences.

Certainly if you have the A1000 there is no need for anything else. If buying new this is a very useful debate as there are factors which would influence the decision - some are marketing - three outputs for example. Most stations with multiple antennas probably already have some kind of switching and for my SO2R setup - I don't need it. if you're just setting up a new station it could be a big deal - saving some bucks.

As to the matter of tubes. What I represented is what I understand the situation to be viz a viz the two tubes. There is a lengthy explanation on the Array website that seeks to clarify the 4CX800 issue.

The A1500 is now one of the cheaper, high-quality 1.5KW amps on the market. normally we would not even be discussing a KW vs a 1.5KW amp - so it speaks to their very competitive positions that the KW amp is good enough quality and price to be considered in a 1.5KW world and vice versa.

The decision will not be an easy one and i could understand leaning towards the cheaper model afterall this is a hobby and at the current price-point, it is really serious value. It was good value when the price was nearly a thousand bucks more!!!

73 and best regards,

Dean

- while the A1500 based on its price

6009. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 13:18:41 UTC
From: Brian Alsop
Topic: 5970 Message: 6009

Kees,

Agree if you are in the Netherlands. I am not.

Several years ago, it took three returns to finally get a good one from a reputable EU supplier. They were all "tested". It turns out they were tested to 400 W in an ACOM1010. They would not deliver more than 600 W in an ACOM1000.

Except for one source in the US, we have to purchase international. International returns of out-of-spec tubes are a real pain.

The picture is much different here.

I can get John Deere tractors here easily. I suspect they would be difficult to find in EU.

73 de Brian/K3KO

On 8/10/2014 11:36, Kees - pa7two pa7two@... [acom-list] wrote:
>
>
> Hans,
>
> There are many resources for GU74B. Even three amateur radioshops in The
> Netherlands sell tested and guaranteed GU74B tubes against very
> reasonable prices... Getting a spare GU74B is nothing special as long as
> the NOS stocks do not dry up. On HAM events often sold as well.
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> To sum up: Obtaining a GU74B tube is nothing special, some make it a
> mistic & difficult to get object. It is NOT.
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> DX IS and CW RULES!
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6010. Re: 2000A - Heater Current Too High Fault on Startup

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 13:27:03 UTC
From: ki4d@...
Topic: 5998 Message: 6010

Rick - I have had the blinking heater light problem at start-up for a few months. However, the amp continues to work just fine. I am also interested in a detailed description and fix for this problem.

Don, KI4D
Alexandria, VA

6011. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 14:39:17 UTC
From: Kees - pa7two
Topic: 5970 Message: 6011

Hi Brian,

Why not buying from abroad then? I do the same all the time if I cannot get / buy what I want locally? The Netherlands is so small, we need to do that all the time. Simple solution to many searches :-)

What you need is a reliable source for your tubes.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

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> From: acom-list@yahoogroups.com
> Date: Sun, 10 Aug 2014 13:18:41 +0000
> Subject: Re: [acom-list] Help with understanding ACOM
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6012. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 16:46:40 UTC
From: Dean St. Hill
Topic: 5970 Message: 6012

Kees

I think your point is well made. Having said that within the EU there are certain protections, benefits and courtesies which you enjoy when purchasing from other EU countries.

The complexity of purchasing from overseas is compounded by often difficult (and sometimes arbitrary) customs standards both tariff and non-tariff barriers.

As a matter of course I purchase ham gear in the USA and try my best to purchase in a way that allows me to travel with that gear rather than ship it. That eliminates often the complex paperwork and uncertainty, not to mention the sheer high cost of shipping. I did have two experiences shipping antennas from EU for example and I thought it would have been easier and cheaper trans-shipping via USA (based on quotes from shippers) but in the second case, I used Fedex direct to 8P and this ended up cheaper and much more cost-effective. Technically the shipping was much more expensive but it was all the other "handling" and other costs that made the "via USA" option much more expensive and with longer transit.

When I do ship from USA is much easier to maintain a USA address because the paperwork which is required in Barbados is usually not provided by US companies - the International Commercial Invoice (I think it's called). This leads to long delays even when sent by FEDEX and the like.

For hams in South America I am sure the problems are similar. When the values are declared and the packages are so small, it is not unheard of for these packages to simply disappear or arrive empty. Again more paperwork, uncertainty, delays and frustration.

Add to that the potential problems of say eBay or some other website and it can just be really bad experiences. naturally if this happens once or you hear of problems from others it is the brave soul who puts his money down knowing the risks involved.

I currently need a transformer from Acom. The shipping is maybe 33% of the quote. It's heavy - I know. To an EU address shipping is however negligible.

Anyway back to the radio my friend. Now if only 6m would open!!!

Dean - 8P6SH

On Sun, Aug 10, 2014 at 10:39 AM, Kees - pa7two pa7two@...
[acom-list] <acom-list@yahoogroups.com> wrote:

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> > Yahoo Groups Links
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Dean St.Hill

*Counterpoint Consulting *
17 Ocean City
St.Philip
Barbados

246-266-8230
246-416-5277

dmsthill@... <dmsthill@...>

6013. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-10 17:13:30 UTC
From: Kees - pa7two
Topic: 5970 Message: 6013

Hi Dean and others,

Yes, I also encounter a times problems with shipping or receiving goods, but again The Netherlands is such a small country, that buying in other EU countries or overseas is pretty common.

Some hints: At all times select secure shipment. Never accept an opened parcel. Make sure the shipment is secured and email the shipper the necessary instructions with the correct custom clearance codes and the proper ways to pack the parcel etc.
Believe me, I shipped quite some ham stuff, and received over time too. Sometimes it goes terribly wrong, but in 9 out 10 all is fine when well prepared at both ends. Buying by persons or companies who do not act like I want them to act, simply do not get my business.

Indeed, it is time to go back to the radio :-)

Vy 73, de Kees - PA7TWO - M5TWO
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> > Vy 73, de Kees - PA7TWO - M5TWO
> >
> > DX IS and CW RULES!
> >
> > Twitter: @PA7TWO

> >
> >
> >
> >
> > ---
> > To: acom-list@yahoogroups.com

> > From: acom-list@yahoogroups.com
> > Date: Sun, 10 Aug 2014 07:24:05 +0200
> > Subject: Re: [acom-list] Help with understanding ACOM

> >
> >
> >
> > The best source in Europe to buy tubes like the GU74b/4CX800A is Vine
> > Antennas Ltd. in the UK: http://www.vinecom.co.uk/

> >
> > 73, Hans.
> >
> >
> > Vriendelijke groeten,
> > Hans Remeeus (PA1HR)
> > http://www.remeeus.eu
> > http://www.hansremeeus.nl

> > Communication is about people, the rest is technology.
> >
> > 'Dean St. Hill' dmsthill@... <mailto:dmsthill@...>

> > [acom-list] schreef op 10-8-2014 00:49:
> >
> > The tube issue and price is a difficult one unless you are comparing
> > like with like.
> >
> > I am not really big on NOS tubes because I don't like the idea of

> > possibly having to de-gas them by "burning them in" or "cooking"
> > them as I call it - placing them in the socket and running them
> > without the HV attached. I'd rather not do that.

> >
> > I would therefore faster buy a tube from say Array Solutions which
> > has been gettered and tested. These tubes will naturally cost much
> > more than NOS that have not been gettered. That's purely a personal

> > preference but I think that is where the price difference is.
> > Naturally when I buy from Array or somewhere similar I'm buying into
> > their overhead which tubes'r'us dot com may not have. Again not

> > suggesting one way is better than the other just my personal
> > preferences.
> >
> > Certainly if you have the A1000 there is no need for anything else.
> > If buying new this is a very useful debate as there are factors

> > which would influence the decision - some are marketing - three
> > outputs for example. Most stations with multiple antennas probably
> > already have some kind of switching and for my SO2R setup - I don't

> > need it. if you're just setting up a new station it could be a big
> > deal - saving some bucks.
> >
> > As to the matter of tubes. What I represented is what I understand

> > the situation to be viz a viz the two tubes. There is a lengthy
> > explanation on the Array website that seeks to clarify the 4CX800 issue.
> >
> > The A1500 is now one of the cheaper, high-quality 1.5KW amps on the

> > market. normally we would not even be discussing a KW vs a 1.5KW amp
> > - so it speaks to their very competitive positions that the KW amp
> > is good enough quality and price to be considered in a 1.5KW world

> > and vice versa.
> >
> > The decision will not be an easy one and i could understand leaning
> > towards the cheaper model afterall this is a hobby and at the
> > current price-point, it is really serious value. It was good value

> > when the price was nearly a thousand bucks more!!!
> >
> > 73 and best regards,
> >
> > Dean
> >
> >
> > - while the A1500 based on its price

> >
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> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>

> > Version: 2012.0.2247 / Virus Database: 3955/7510 - Release Date: 08/10/14
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>
> Yahoo Groups Links
>
>
> (Yahoo! ID required)
>

>
> https://info.yahoo.com/legal/us/yahoo/utos/terms/
>

--
Dean St.Hill

Counterpoint Consulting 17 Ocean CitySt.Philip
Barbados
246-266-8230246-416-5277

dmsthill@gmail.com

6014. Re: acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-11 06:46:29 UTC
From: on4ct@...
Topic: 1207 Message: 6014

Hallo
After receiving the schemactis, I went to analyse the main board.
Also Stan from Acom, during his holiday , send me guidelines in a search to the faulty components.
I blew a couple of fuses on the main board (0,8 A) during start ups by elimating some parts. The suspected parts where transfo, hv components and the tube.
Finally I found a blown high voltage capacitor (blue 2200 pf/6kv) after the anode coil.
This DC blocking capacitor shows a litlle black trace, the second one seems ok.

Without these capacitors and without any tx connected, everything runs well.
During this test the tube gets hot, the tubes was then running idling. The fan was sometimes running sometimes not. I found pieces of the blown resistor R1/R2 inside the ventilator house and hold the fan to a stand still. So I had to clean the fan house.

Now I have an order on such capacitors.

73
Dirk
on4ct

6015. RE: [acom-list] Re: acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-11 08:20:23 UTC
From: Kees - pa7two
Topic: 1207 Message: 6015

Sounds like you are getting there to get the amp back up & running :-)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 10 Aug 2014 23:46:29 -0700
Subject: [acom-list] Re: acom 1010

Hallo
After receiving the schemactis, I went to analyse the main board.
Also Stan from Acom, during his holiday , send me guidelines in a search to the faulty components.
I blew a couple of fuses on the main board (0,8 A) during start ups by elimating some parts. The suspected parts where transfo, hv components and the tube.
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During this test the tube gets hot, the tubes was then running idling. The fan was sometimes running sometimes not. I found pieces of the blown resistor R1/R2 inside the ventilator house and hold the fan to a stand still. So I had to clean the fan house.

Now I have an order on such capacitors.

73
Dirk
on4ct

6016. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-11 11:44:45 UTC
From: fredch@...
Topic: 5970 Message: 6016

Both UR7GG and LY2MQ sell tested/burned-in GU74s (and other ex-USSR valves) each year at Friedrichshafen

UR7GG offered me a money back guarantee for the following year as he ran out of tested stock on one occasion, but they were OK.

They are there each year so Im sure they are reliable

There are other occasional vendors as well

The "rarity" of GU74s is an annual rumour at FDH, although not this past year as I recall.

ur7gg@ukr.net
sauliusly2mq@gmail.com

73 Fred
A65BD - G4BWP

---In acom-list@yahoogroups.com, <pa7two@...> wrote :

Hans,

There are many resources for GU74B. Even three amateur radioshops in The Netherlands sell tested and guaranteed GU74B tubes against very reasonable prices... Getting a spare GU74B is nothing special as long as the NOS stocks do not dry up. On HAM events often sold as well.

To sum up: Obtaining a GU74B tube is nothing special, some make it a mistic & difficult to get object. It is NOT.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

6017. RE: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-11 16:09:02 UTC
From: W5OV@...
Topic: 5970 Message: 6017

We have many of them in stock, right here in the USA.

Not an issue to obtain them at all.

73,

Bob W5OV
Acom North America Sales and Warranty Service
Array Solutions
http://www.arraysolutions.com

On Mon, August 11, 2014 6:44 am, fredch@...
[acom-list] wrote:
>

> Both UR7GG and LY2MQ sell tested/burned-in GU74s (and other ex-USSR
> valves) each year at Friedrichshafen
>
>
> UR7GG offered me a money back guarantee for the following year as he ran
> out of tested stock on one occasion, but they were OK.
>
>
> They are there each year so Im sure they are reliable
>
>
>
> There are other occasional vendors as well
>
>
>
> The "rarity" of GU74s is an annual rumour at FDH, although not this past
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>
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> ur7gg@... sauliusly2mq@...
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> mistic & difficult to get object. It is NOT.
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> Twitter: @PA7TWO
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6018. Re: ACOM 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-16 17:24:03 UTC
From: vk6av@...
Topic: 2045 Message: 6018

Did you ever get a copy of the Technical Supplement? I am also looking for a copy. Harris
K9RJ
k9rj@arrl.net

6019. 2000A vs 2000P

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-23 23:25:15 UTC
From: texasjackberry@...
Topic: 6019 Message: 6019

What is the difference between these two models?

Thanks,
Jack - WE5ST

6020. Re: Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-25 13:32:09 UTC
From: paul@...
Topic: 5959 Message: 6020

Thanks to the people who answered my questions. A special thanks to Jay Terleski, WX0B, of Array Solutions in Sunnyvale, TX. Jay provided some technical information including voltage charts. I bought my amp used from another ham some years ago, but Jay gave me excellent free advice. I recommend buying from Array Solutions.

My problem was low screen-voltage in the 340 volt supply. I found an electrolytic in the circuit leaking at its base, but it was not the cause. It turned out to be bad transistor Q8. I also replaced seven electrolytics on the mains board since I had it on the bench.

73,
Paul
K5ESW

6021. Re: Removing the Mains board on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-25 16:45:42 UTC
From: paul@...
Topic: 5959 Message: 6021

Sorry - I meant to say Q9, the 2n3904 transistor.
73,
Paul
K5ESW

6022. Re: 2000A vs 2000P

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-26 14:26:00 UTC
From: lz1zj@...
Topic: 6019 Message: 6022

ACOM 2000P SPECIFICATION:
1. Frequency Coverage - 3-30MHz continuously in 7 sub-ranges:
A 3 000 - 3 800 kHz;
B 3 800 - 5 700 kHz;
C 5 700 - 8 500 kHz;
D 8 500 - 12 000 kHz;
E 12 000 - 18 000 kHz;
F 18 000 - 22 950 kHz;
G 22 950 - 30 000 kHz.

2. Power Output: 1500W PEP or continuous carrirer modes, no mode limit.

3. Intermodulation Distortion: Better than 35dB below rated output.

4. Hum and noise: Better than 35dB below rated output.

5. Harmonics Output Suppression: Better than 50dB below rated output.

6. Input and Output impedances:
- nominal value: 50 Ohm unbalanced, UHF (SO239) type connectors;
- input circuit: broadband, VSWR less than 1.3:1, 3-30MHz
continuously (no tuning, no switching);
- output matching capability: better than VSWR 3:1 or greater at
reduced output levels; automated.

7. Tuning:
- Initial Antenna Impedance Matching: automatized, tuning time less
than 3s, no skill requirements for operator;
- Band Change - less than 1 second;
- Segment Change - less than 0.2 seconds.

8. User Tunings Memory - non volatile for up to 10 antennas per each frequency segment and/or band (tunings for 50 Ohm default provided).

9. RF Gain: 14.5dB, frequency response less than .5dB (50 to 60W drive power for rated output).

10. Tubes: two 4CX800A (GU74B) Svetlana high performance ceramic metal tetrode with plate dissipation of 800W each, forced air cooling, grid driven.

11. ALC: grid-current derived, -11V max, rear panel adjustable.

12. T/R System: QSK operation with built-in vacuum RF antenna relay.

13. Protections: cover interlock for operator's safety, inrush power - on current, all supply voltages and currents, cooling blower, exhaust air temperature, antenna matching quality, reflected power, RF arcs (incl. in antenna system), overdrive, T/R sequencying, unauthorized access to amplifier (password), "INFO BOX" for 12 recent protection trips etc.

14. All functions accessible from PC via RS232 port, network functions for more than one set of amplifier/antenna unit in one common local network.

15. Measurement and/or monitoring of 20 most important parameters of the amplifier via RCU and/or PC.

16. Primary Power: 90-132V (100 & 120V nominal taps, 10% tol.) and 180-264V (200, 220 & 240V nominal taps, 10% tol.), 50-60Hz,single phase, 3500VA consumption at rated output power.

17. Size & Weight: (W440 x D500 x H180)mm, 36kg (operating).

18. Operating environments:
- temperature range: 0...+50 degs.Celsius;
- humidity: up to 95% @ +35 degs.Celsius;
- height: up to 3000m above se level without output deterioration.

19. Storage and shipping:
- Shipping weight – 43kg.
- Shipping size: W390mm x D330mm x H350mm - Transformer carton;
W630mm x D590mm x H310mm - Amplifier carton.
- Environments: all types of transportation, incl. aircraft baggage section up to 12000m above sea level.

ACOM 2000A, only for HF amateurs band...
73 de Slav - LZ1ZJ

6023. Re: [acom-list] Digest Number 1726

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-27 15:11:26 UTC
From: Eric Dobrowansky
Topic: 6023 Message: 6023

So, is there any hardware difference between the A and the P model, or is it just the firmware in the control circuitry which prevents operation in the out of band regions?

Also, are there any frequencies in the standard model in which the plate choke can be an issue? Or is the plate choke the same on both models?

Eric
K2CB

> On Aug 27, 2014, at 4:48 AM, acom-list@yahoogroups.com wrote:
>
> Acom amp reflector Group
> 1 Message Digest #1726
> 1a Re: 2000A vs 2000P by lz1zj
> Message
> 1a Re: 2000A vs 2000P
> Tue Aug 26, 2014 7:26 am (PDT) . Posted by: lz1zj
> ACOM 2000P SPECIFICATION:
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> C 5 700 - 8 500 kHz;
> D 8 500 - 12 000 kHz;
> E 12 000 - 18 000 kHz;
> F 18 000 - 22 950 kHz;
> G 22 950 - 30 000 kHz.
>
> 2. Power Output: 1500W PEP or continuous carrirer modes, no mode limit.
>
> 3. Intermodulation Distortion: Better than 35dB below rated output.
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> - height: up to 3000m above se level without output deterioration.
>
> 19. Storage and shipping:
> - Shipping weight – 43kg.
> - Shipping size: W390mm x D330mm x H350mm - Transformer carton;
> W630mm x D590mm x H310mm - Amplifier carton.
> - Environments: all types of transportation, incl. aircraft baggage section up to 12000m
> above sea level.
>
> ACOM 2000A, only for HF amateurs band...
> 73 de Slav - LZ1ZJ
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6024. Re: [acom-list] Digest Number 1726

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-27 15:32:01 UTC
From: W5OV@...
Topic: 6023 Message: 6024

They are different in many ways.

The first is that the P only covers from 3 to 30 MHz. No 160!

The 2000A has frequencies where it will not work, the P does not.

Why is there any interest in the P model? What for?

Bob W5OV
Array Solutions

On Wed, August 27, 2014 10:11 am, Eric Dobrowansky k2cb@...
[acom-list] wrote:
> So, is there any hardware difference between the A and the P model, or is
> it just the firmware in the control circuitry which prevents operation in
> the out of band regions?
>
> Also, are there any frequencies in the standard model in which the plate
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>
>
> Eric
> K2CB
>
>
>
>
>> On Aug 27, 2014, at 4:48 AM, acom-list@yahoogroups.com wrote:
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>>
>> Acom amp reflector Group
>> 1 Message Digest #1726
>> 1a Re: 2000A vs 2000P by lz1zj
>> Message
>> 1a Re: 2000A vs 2000P
>> Tue Aug 26, 2014 7:26 am (PDT) . Posted by: lz1zj
>> ACOM 2000P SPECIFICATION:
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>> A 3 000 - 3 800 kHz;
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>> C 5 700 - 8 500 kHz;
>> D 8 500 - 12 000 kHz;
>> E 12 000 - 18 000 kHz;
>> F 18 000 - 22 950 kHz;
>> G 22 950 - 30 000 kHz.
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>>
>> 2. Power Output: 1500W PEP or continuous carrirer modes, no mode limit.
>>
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>> 5. Harmonics Output Suppression: Better than 50dB below rated output.
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>> 6. Input and Output impedances:
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>> power for rated output).
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>> air temperature, antenna matching quality, reflected power, RF arcs
>> (incl. in antenna system), overdrive, T/R sequencying, unauthorized
>> access to amplifier (password), "INFO BOX" for 12 recent protection
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>> the amplifier via RCU and/or PC.
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>> - humidity: up to 95% @ +35 degs.Celsius;
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>> 19. Storage and shipping:
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>> - Shipping size: W390mm x D330mm x H350mm - Transformer carton;
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>> - Environments: all types of transportation, incl. aircraft baggage
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>

6025. Acom 2000A temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-27 16:57:26 UTC
From: nu6x@...
Topic: 6025 Message: 6025

For the last several years I have been running my amp (2000A) underneath my desk set on its side in a vertical position. It has good ventilation. It seems to be running hotter than I remember but that is subjective.

What is a typical exhaust temp. running 1500 watts SSB after a 2 or 3 min transmission???

Will a standard 120 mm computer fan work on the back??

Thanks Mark NU6X Sedona, AZ

6026. Re: [acom-list] Digest Number 1726

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-27 18:50:44 UTC
From: Jack Berry
Topic: 6023 Message: 6026

My interest would be for MARS. Because 2000P is advertised as MARS / CAP ready I am concerned the model 2000A would not work with MARS.

If 2000A works with most MARS frequencies near the Ham bands then there is no need for me to purchase 2000P.

Can you confirm 2000A is MARS capable near the Ham bands?

On Wed, Aug 27, 2014 at 10:32 AM, W5OV@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> They are different in many ways.
>
> The first is that the P only covers from 3 to 30 MHz. No 160!
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> >> - input circuit: broadband, VSWR less than 1.3:1, 3-30MHz
> >> continuously (no tuning, no switching); - output matching capability:
> >> better than VSWR 3:1 or greater at reduced output levels; automated.
> >>
> >> 7. Tuning:
> >> - Initial Antenna Impedance Matching: automatized, tuning time less
> >> than 3s, no skill requirements for operator; - Band Change - less than 1
> >> second; - Segment Change - less than 0.2 seconds.
> >>
> >>
> >> 8. User Tunings Memory - non volatile for up to 10 antennas per each
> >> frequency segment and/or band (tunings for 50 Ohm default provided).
> >>
> >> 9. RF Gain: 14.5dB, frequency response less than .5dB (50 to 60W drive
> >> power for rated output).
> >>
> >> 10. Tubes: two 4CX800A (GU74B) Svetlana high performance ceramic metal
> >> tetrode with plate dissipation of 800W each, forced air cooling, grid
> >> driven.
> >>
> >> 11. ALC: grid-current derived, -11V max, rear panel adjustable.
> >>

> >>
> >> 12. T/R System: QSK operation with built-in vacuum RF antenna relay.
> >>
> >>
> >> 13. Protections: cover interlock for operator's safety, inrush power -
> >> on current, all supply voltages and currents, cooling blower, exhaust
> >> air temperature, antenna matching quality, reflected power, RF arcs
> >> (incl. in antenna system), overdrive, T/R sequencying, unauthorized
> >> access to amplifier (password), "INFO BOX" for 12 recent protection
> >> trips etc.
> >>
> >> 14. All functions accessible from PC via RS232 port, network functions
> >> for more than one set of amplifier/antenna unit in one common local
> >> network.
> >>
> >> 15. Measurement and/or monitoring of 20 most important parameters of
> >> the amplifier via RCU and/or PC.
> >>
> >> 16. Primary Power: 90-132V (100 & 120V nominal taps, 10% tol.) and
> >> 180-264V (200, 220 & 240V nominal taps, 10% tol.), 50-60Hz,single
> >> phase, 3500VA consumption at rated output power.
> >>
> >> 17. Size & Weight: (W440 x D500 x H180)mm, 36kg (operating).
> >>
> >>
> >> 18. Operating environments:
> >> - temperature range: 0...+50 degs.Celsius;
> >> - humidity: up to 95% @ +35 degs.Celsius;
> >> - height: up to 3000m above se level without output deterioration.
> >>
> >>
> >> 19. Storage and shipping:
> >> - Shipping weight â€“ 43kg.
> >> - Shipping size: W390mm x D330mm x H350mm - Transformer carton;
> >> W630mm x D590mm x H310mm - Amplifier carton.
> >> - Environments: all types of transportation, incl. aircraft baggage
> >> section up to 12000m above sea level.
> >>
> >> ACOM 2000A, Ð¾nly for HF amateurs band...
> >> 73 de Slav - LZ1ZJ
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> >> VISIT YOUR GROUP New Members 6
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>

6027. Re: [acom-list] Acom 2000A temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-27 19:14:07 UTC
From: Skip Guenter
Topic: 6025 Message: 6027

If it's anything like my computers sitting down there... it probably
needs the air hose taken to it.

Personally I like the setting on the compressor just below "blows
components off the PC board" about 70psi. ;-)

On 08/27/2014 11:57 AM, nu6x@... [acom-list] wrote:
>
> For the last several years I have been running my amp (2000A)
> underneath my desk set on its side in a vertical position. It has good
> ventilation. It seems to be running hotter than I remember but that
> is subjective.
>
> What is a typical exhaust temp. running 1500 watts SSB after a 2 or 3
> min transmission???
>
> Will a standard 120 mm computer fan work on the back??
>
> Thanks Mark NU6X Sedona, AZ
>
> __·_,___
--
S. R. 'Skip' Guenter, K5SRG
/40m SSB Late Coord
/

6028. Re: [acom-list] Digest Number 1726

Yahoo group: acom-list (2010 — 2016)
Date: 2014-08-27 20:17:31 UTC
From: W5OV@...
Topic: 6023 Message: 6028

Yes, the 2000A does work above and below the amateur bands.

The following is the spectrum "chunks" where the 2000A operates.

Fmin Fmax (in kHz)
1750 2025
3200 4700
6700 12500
12500 15600
17100 30000

So, if your MARS frequencies are in those ranges, the 2000A will do it.

On Wed, August 27, 2014 1:50 pm, Jack Berry texasjackberry@...
[acom-list] wrote:
> My interest would be for MARS. Because 2000P is advertised as MARS / CAP
> ready I am concerned the model 2000A would not work with MARS.
>
> If 2000A works with most MARS frequencies near the Ham bands then there
> is no need for me to purchase 2000P.
>
> Can you confirm 2000A is MARS capable near the Ham bands?
>
>
>
> On Wed, Aug 27, 2014 at 10:32 AM, W5OV@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>>
>>
>> They are different in many ways.
>>
>>
>> The first is that the P only covers from 3 to 30 MHz. No 160!
>>
>>
>> The 2000A has frequencies where it will not work, the P does not.
>>
>>
>> Why is there any interest in the P model? What for?
>>
>>
>> Bob W5OV
>> Array Solutions
>>
>>

>> On Wed, August 27, 2014 10:11 am, Eric Dobrowansky k2cb@...
>> [acom-list] wrote:
>>
>>> So, is there any hardware difference between the A and the P model,
>>> or is it just the firmware in the control circuitry which prevents
>>> operation in the out of band regions?
>>>
>>> Also, are there any frequencies in the standard model in which the
>>> plate choke can be an issue? Or is the plate choke the same on both
>>> models?
>>>
>>>
>>> Eric
>>> K2CB
>>>
>>>
>>>
>>>
>>>
>>>> On Aug 27, 2014, at 4:48 AM, acom-list@yahoogroups.com wrote:
>>>>
>>>>
>>>>
>>>> Acom amp reflector Group
>>>> 1 Message Digest #1726
>>>> 1a Re: 2000A vs 2000P by lz1zj
>>>> Message
>>>> 1a Re: 2000A vs 2000P
>>>> Tue Aug 26, 2014 7:26 am (PDT) . Posted by: lz1zj
>>>> ACOM 2000P SPECIFICATION:
>>>> 1. Frequency Coverage - 3-30MHz continuously in 7 sub-ranges:
>>>> A 3 000 - 3 800 kHz;
>>>> B 3 800 - 5 700 kHz;
>>>> C 5 700 - 8 500 kHz;
>>>> D 8 500 - 12 000 kHz;
>>>> E 12 000 - 18 000 kHz;
>>>> F 18 000 - 22 950 kHz;
>>>> G 22 950 - 30 000 kHz.
>>>>
>>>>
>>>>
>>>> 2. Power Output: 1500W PEP or continuous carrirer modes, no mode
>>>> limit.
>>>>
>>>>
>>>> 3. Intermodulation Distortion: Better than 35dB below rated output.
>>>>
>>>>
>>>>
>>>> 4. Hum and noise: Better than 35dB below rated output.

>>>>
>>>>
>>>>
>>>> 5. Harmonics Output Suppression: Better than 50dB below rated
>>>> output.
>>>>
>>>>
>>>> 6. Input and Output impedances:
>>>> - nominal value: 50 Ohm unbalanced, UHF (SO239) type connectors;
>>>> - input circuit: broadband, VSWR less than 1.3:1, 3-30MHz
>>>> continuously (no tuning, no switching); - output matching
>>>> capability:
>>>> better than VSWR 3:1 or greater at reduced output levels; automated.
>>>>
>>>>
>>>> 7. Tuning:
>>>> - Initial Antenna Impedance Matching: automatized, tuning time less
>>>> than 3s, no skill requirements for operator; - Band Change - less
>>>> than 1 second; - Segment Change - less than 0.2 seconds.
>>>>
>>>>
>>>> 8. User Tunings Memory - non volatile for up to 10 antennas per
>>>> each frequency segment and/or band (tunings for 50 Ohm default
>>>> provided).
>>>>
>>>> 9. RF Gain: 14.5dB, frequency response less than .5dB (50 to 60W
>>>> drive power for rated output).
>>>>
>>>> 10. Tubes: two 4CX800A (GU74B) Svetlana high performance ceramic
>>>> metal tetrode with plate dissipation of 800W each, forced air
>>>> cooling, grid driven.
>>>>
>>>> 11. ALC: grid-current derived, -11V max, rear panel adjustable.
>>>>
>>>>
>>>>
>>>> 12. T/R System: QSK operation with built-in vacuum RF antenna
>>>> relay.
>>>>
>>>>
>>>> 13. Protections: cover interlock for operator's safety, inrush
>>>> power - on current, all supply voltages and currents, cooling
>>>> blower, exhaust air temperature, antenna matching quality, reflected
>>>> power, RF arcs (incl. in antenna system), overdrive, T/R
>>>> sequencying, unauthorized access to amplifier (password), "INFO BOX"
>>>> for 12 recent protection trips etc.
>>>>
>>>> 14. All functions accessible from PC via RS232 port, network
>>>> functions for more than one set of amplifier/antenna unit in one
>>>> common local network.

>>>>
>>>> 15. Measurement and/or monitoring of 20 most important parameters
>>>> of the amplifier via RCU and/or PC.
>>>>
>>>> 16. Primary Power: 90-132V (100 & 120V nominal taps, 10% tol.) and
>>>> 180-264V (200, 220 & 240V nominal taps, 10% tol.), 50-60Hz,single
>>>> phase, 3500VA consumption at rated output power.
>>>>
>>>> 17. Size & Weight: (W440 x D500 x H180)mm, 36kg (operating).
>>>>
>>>>
>>>>
>>>> 18. Operating environments:
>>>> - temperature range: 0...+50 degs.Celsius;
>>>> - humidity: up to 95% @ +35 degs.Celsius;
>>>> - height: up to 3000m above se level without output deterioration.
>>>>
>>>>
>>>>
>>>> 19. Storage and shipping:
>>>> - Shipping weight â€“ 43kg.
>>>> - Shipping size: W390mm x D330mm x H350mm - Transformer carton;
>>>> W630mm x D590mm x H310mm - Amplifier carton.
>>>> - Environments: all types of transportation, incl. aircraft baggage
>>>> section up to 12000m above sea level.
>>>>
>>>> ACOM 2000A, Ð¾nly for HF amateurs band...
>>>> 73 de Slav - LZ1ZJ
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>>>> VISIT YOUR GROUP New Members 6
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>>>>
>>>
>>
>>
>>
>

6029. 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-06 04:07:57 UTC
From: Bill Turner
Topic: 6029 Message: 6029

I'm a new 2000A owner, just a couple of weeks, and do mostly RTTY. After doing two RTTY contests, it seems to me the fan speed is a little low and the amp runs hotter than I would like, even with the optional external fan. Has anyone modified the main blower circuit to increase speed? I wouldn't do it while it's under warranty but would later.

All comments appreciated.

73, Bill W6WRT

6030. Re: [acom-list] 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-06 12:50:28 UTC
From: K2LS
Topic: 6029 Message: 6030

I had this discussion with Jay @ Array Solutions.

He (they) say just operate, the external fan is not necessary... for what it's worth.

73 Larry K2LS

DxPacketcluster DXC.K2LS.COM Spots from NA zones 1-8 only

On 9/6/2014 12:07 AM, Bill Turner dezrat@... [acom-list] wrote:
>
> I'm a new 2000A owner, just a couple of weeks, and do mostly RTTY.
> After doing two RTTY contests, it seems to me the fan speed is a
> little low and the amp runs hotter than I would like, even with the
> optional external fan. Has anyone modified the main blower circuit to
> increase speed? I wouldn't do it while it's under warranty but would
> later.
>
> All comments appreciated.
>
> 73, Bill W6WRT
>
>

6031. Re: [acom-list] 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-06 12:57:47 UTC
From: Brian
Topic: 6029 Message: 6031

The ACOM2000 generates a lot of heat at 1500 W RTTY. In the winter RTTY contests, it used to raise my shack room temperature by 15-20 degrees.

The ACOM 2000 has over temperature protections which will kick in if things get too hot. Then you have to do something.

73 de Brian/K3KO

On 9/6/2014 12:50, K2LS K2LS@... [acom-list] wrote:
>
>
> I had this discussion with Jay @ Array Solutions.
>
> He (they) say just operate, the external fan is not necessary... for
> what it's worth.
>
> 73 Larry K2LS
>
>
> DxPacketcluster DXC.K2LS.COM Spots from NA zones 1-8 only
>
>
> On 9/6/2014 12:07 AM, Bill Turner dezrat@... [acom-list] wrote:
>>
>> I'm a new 2000A owner, just a couple of weeks, and do mostly RTTY.
>> After doing two RTTY contests, it seems to me the fan speed is a
>> little low and the amp runs hotter than I would like, even with the
>> optional external fan. Has anyone modified the main blower circuit to
>> increase speed? I wouldn't do it while it's under warranty but would
>> later.
>>
>> All comments appreciated.
>>
>> 73, Bill W6WRT
>>
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2247 / Virus Database: 4015/7663 - Release Date: 09/06/14
>

6032. Re: [acom-list] 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-06 14:54:08 UTC
From: Bill Turner
Topic: 6029 Message: 6032

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Sat, 06 Sep 2014 12:57:47 +0000, Brian wrote:

>
>The ACOM2000 generates a lot of heat at 1500 W RTTY. In the winter RTTY
>contests, it used to raise my shack room temperature by 15-20 degrees.
>
>The ACOM 2000 has over temperature protections which will kick in if
>things get too hot. Then you have to do something.
>
>73 de Brian/K3KO

REPLY:

Yes, I've had the main blower jump to high speed twice while contesting with RTTY and it certainly catches your attention when it does. I'd like to increase the normal blower speed to try to avoid that.

The owner's manual has only a partial schematic, not enough to show how to modify the blower speed. How does one get a copy of the entire schematic?

73, Bill W6WRT

6033. Re: [acom-list] 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-06 15:00:27 UTC
From: Bill Turner
Topic: 6029 Message: 6033

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Sat, 06 Sep 2014 08:50:28 -0400, you wrote:

>I had this discussion with Jay @ Array Solutions.
>
>He (they) say just operate, the external fan is not necessary... for
>what it's worth.
>
>73 Larry K2LS

REPLY:

I would agree the external fan is not necessary for CW or SSB but I disagree about RTTY. I do have the external fan and if I don't keep an eye on the temperature bar graph while running, the blower will kick into high speed. It's done this twice to me and once it kicks in it takes a long time to cool down.

I think the answer is to increase the normal blower speed. The ACOM designers have, in my opinion, chosen to run the blower very slowly in order to keep the noise down, and they succeeded quite will for CW and SSB, but it's marginal for RTTY.

73, Bill W6WRT

6034. Re: 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-07 13:42:20 UTC
From: Jay Terleski
Topic: 6029 Message: 6034

I had this discussion with Jay @ Array Solutions.

He (they) say just operate, the external fan is not necessary... for what it's worth.

.....OK lets put some more information into this comment. The external fan will not come on until a temperature threshold is exceeded as sensed by the two precision temperature sensors in the tube chimneys. Usually they will not kick the fan on at all with CW, SSB modes of operation. My 2000A is used heavily in contests and I have never ever heard it come on.

For RTTY contests I would say it is probably a good idea to have it to cool the power supply section of the amp. Val or Stan should comment more on this. It is possible to even wire the external fan to the 24VDC power supply to have it on at all times, if you can live with a bit more noise. I will probably do this with my 2000A since I have it on a rear table behind the operating table. So it won't be heard. It is time for me to replace all the electrolytics in this 2000A since it is going on 15- 16 years old so will rewire it so the fan comes on all the time.

Also we have had a couple of 2000As come in that were totally filled with dust that clogged the tubes cooling fins as well as air filters. The tubes were ruined. You can tell an overheated tube by examining the green temperature strip on the outside of the cooling fins. If it is turning brown or is brown the tube was overheated. So before the contests start this fall, take the covers off and open up the tube chamber's bottom plate and blow out the dust, clean the air filter, and have fun.

--
Jay Terleski
Array Solutions
214 954 7140

6035. Re: [acom-list] Re: 2000A fan speed

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-07 16:08:33 UTC
From: K2LS
Topic: 6029 Message: 6035

Jay,

Again, thanks for the clarification and support.

Larry K2LS

DxPacketcluster DXC.K2LS .COM Spots from NA zones 1-8 only.

On 9/7/2014 9:42 AM, Jay Terleski jayt@... [acom-list] wrote:
> I had this discussion with Jay @ Array Solutions.
>
> He (they) say just operate, the external fan is not necessary... for
> what it's worth.
>
>
> ....OK lets put some more information into this comment.
> The external fan will not come on until a temperature threshold is
> exceeded as sensed by the two precision temperature sensors in the
> tube chimneys. Usually they will not kick the fan on at all with CW,
> SSB modes of operation. My 2000A is used heavily in contests and I
> have never ever heard it come on.
>
> For RTTY contests I would say it is probably a good idea to have it to
> cool the power supply section of the amp. Val or Stan should comment
> more on this. It is possible to even wire the external fan to the
> 24VDC power supply to have it on at all times, if you can live with a
> bit more noise. I will probably do this with my 2000A since I have it
> on a rear table behind the operating table. So it won't be heard. It
> is time for me to replace all the electrolytics in this 2000A since it
> is going on 15- 16 years old so will rewire it so the fan comes on all
> the time.
>
> Also we have had a couple of 2000As come in that were totally filled
> with dust that clogged the tubes cooling fins as well as air filters.
> The tubes were ruined. You can tell an overheated tube by examining
> the green temperature strip on the outside of the cooling fins. If it
> is turning brown or is brown the tube was overheated. So before the
> contests start this fall, take the covers off and open up the tube
> chamber's bottom plate and blow out the dust, clean the air filter,
> and have fun.
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>

>

6036. ACOM 2000A top cover

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-07 19:19:20 UTC
From: <aivers30868@...>
Topic: 6036 Message: 6036

Folks, I have a SPARE COVER for the ACOM 200A. It has one scratch and one 10mm dent, thats it, if anyone wants it,ITS FREE, but you MUST pay shipping expense and postage/UPS fees. contact me at T32ah@..., or pickup on SCAL
Joe,
w6vnr

6037. Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-11 23:28:37 UTC
From: Bill Turner
Topic: 6037 Message: 6037

I'm a fairly new 2000A owner and trying to get the K3 and 2000A to communicate properly.

I am using two different logging programs, DXLab and N1MM Logger.

I have the CAT cable with Y-adaptor plugged into the K3. I also am running a P3 panadaptor, but I don't think that is involved in this issue. I could be wrong.

When I am NOT running either program, the K3 and the 2000A communicate properly, i.e. changing bands on the K3 makes the 2000A change bands normally.

Likewise, when the 2000A is turned off, the K3 communicates to both programs correctly, i.e. either program reads the VFO frequency normally.

The problem happens when I have the K3, the 2000A and either logging program running all at the same time. Communication is lost and I get error messages saying "the radio on com1 is not responding" and the like.

I'm running out of ideas. Any suggestions?

73, Bill W6WRT

6038. Re: [acom-list] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-11 23:39:31 UTC
From: Hank Garretson
Topic: 6037 Message: 6038

It's not completely clear to my simple mind how you are hooked up.

Here's what I have and what works for me.

K3, P3, 2000A, N1MM.

RS232 between K3 and P3 with a tap pickoff going to ACOM RCU. RS232 from P3 to computer.

Is that your configuration?

On Thursday, September 11, 2014, Bill Turner dezrat@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> I'm a fairly new 2000A owner and trying to get the K3 and 2000A to
> communicate properly.
>
> I am using two different logging programs, DXLab and N1MM Logger.
>
> I have the CAT cable with Y-adaptor plugged into the K3. I also am
> running a P3 panadaptor, but I don't think that is involved in this
> issue. I could be wrong.
>
> When I am NOT running either program, the K3 and the 2000A communicate
> properly, i.e. changing bands on the K3 makes the 2000A change bands
> normally.
>
> Likewise, when the 2000A is turned off, the K3 communicates to both
> programs correctly, i.e. either program reads the VFO frequency
> normally.
>
> The problem happens when I have the K3, the 2000A and either logging
> program running all at the same time. Communication is lost and I get
> error messages saying "the radio on com1 is not responding" and the
> like.
>
> I'm running out of ideas. Any suggestions?
>
> 73, Bill W6WRT
>
>

6039. Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 00:46:03 UTC
From: Eric Swartz - WA6HHQ, Elecraft
Topic: 6037 Message: 6039

Put the Y cable between the P3 and the computer etc, not on the K3 side. . The
K3 to P3 serial cable should not have any other devices sharing it.
73,
Eric
elecraft.com

On 9/11/2014 4:28 PM, Bill Turner wrote:
> I'm a fairly new 2000A owner and trying to get the K3 and 2000A to
> communicate properly.
>
> I am using two different logging programs, DXLab and N1MM Logger.
>
> I have the CAT cable with Y-adaptor plugged into the K3. I also am
> running a P3 panadaptor, but I don't think that is involved in this
> issue. I could be wrong.
>
> When I am NOT running either program, the K3 and the 2000A communicate
> properly, i.e. changing bands on the K3 makes the 2000A change bands
> normally.
>
> Likewise, when the 2000A is turned off, the K3 communicates to both
> programs correctly, i.e. either program reads the VFO frequency
> normally.
>
> The problem happens when I have the K3, the 2000A and either logging
> program running all at the same time. Communication is lost and I get
> error messages saying "the radio on com1 is not responding" and the
> like.
>
> I'm running out of ideas. Any suggestions?
>
> 73, Bill W6WRT
> _____
> Elecraft mailing list
> Home: http://mailman.qth.net/mailman/listinfo/elecraft
> Help: http://mailman.qth.net/mmfaq.htm
> Post: mailto:Elecraft@...
>
> This list hosted by: http://www.qsl.net
> Please help support this email list: http://www.qsl.net/donate.html
> Message delivered to elist_copy@...

6040. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 01:41:25 UTC
From: Hank Garretson
Topic: 6037 Message: 6040

On Thu, Sep 11, 2014 at 5:46 PM, 'Eric Swartz - WA6HHQ, Elecraft'
wa6hhq_lists@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Put the Y cable between the P3 and the computer etc, not on the K3 side. .
> The K3 to P3 serial cable should not have any other devices sharing it.
> 73,
> Eric
>

Eric is right of course. My previous post on ACOM tap placement was wrong.

Note, at least at W6SX, the ACOM does not follow K3 unless something is
polling the K3, for instance a logging program. A single dit or pff solves
that "problem."

73,

Hank, W6SX

6041. Re: [acom-list] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 01:47:12 UTC
From: Bill Turner
Topic: 6037 Message: 6041

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Thu, 11 Sep 2014 16:39:31 -0700, W6SX wrote:

>It's not completely clear to my simple mind how you are hooked up.
>
>Here's what I have and what works for me.
>
>K3, P3, 2000A, N1MM.
>
>RS232 between K3 and P3 with a tap pickoff going to ACOM RCU. RS232 from P3
>to computer.
>
>Is that your configuration?

REPLY:

I think so, but just to clarify: I have the "root" of the Y plugged
into the P3 jack labeled PC. One "arm" of the Y goes to the computer
and the other "arm" goes to the 2000A.

Is that correct?

I also tried it with the root of the Y plugged into the K3 and one arm
going to the P3 and the other arm going to the 2000A. Same non-results
as the other way.

73, Bill W6WRT

6042. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 01:51:47 UTC
From: Bill Turner
Topic: 6037 Message: 6042

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Thu, 11 Sep 2014 17:46:03 -0700, you wrote:

>Put the Y cable between the P3 and the computer etc, not on the K3 side. . The
>K3 to P3 serial cable should not have any other devices sharing it.
>73,
>Eric
>elecraft.com

REPLY:

Just to be clear: I have the "root" of the Y adaptor plugged into the
P3 jack which is labeled PC. One arm of the Y goes to the computer and
the other arm goes to the K3.

Is that correct?

73, Bill W6WRT

6043. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 09:59:42 UTC
From: fredch@...
Topic: 6037 Message: 6043

Bill

I have the same but not yet configured

With the SPE2K you make the amp only "Listen" to the RS232, while the rig/PC have 2 way communications

The amp is only connected to the RXD of the 232 plus a ground, no TXD

73 Fred
A65BD

6044. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 10:12:21 UTC
From: Bill Turner
Topic: 6037 Message: 6044

---------- ORIGINAL MESSAGE ----------(may be snipped)

On 12 Sep 2014 02:59:42 -0700, Fred wrote:

>Bill
>
> I have the same but not yet configured
> With the SPE2K you make the amp only "Listen" to the RS232, while the rig/PC have 2 way communications
> The amp is only connected to the RXD of the 232 plus a ground, no TXD
> > 73 Fred
> A65BD
>

REPLY:

My amp is an ACOM, not an SPE, but I will look into the TXD issue.
Thanks.

73, Bill W6WRT

6045. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 10:17:10 UTC
From: fredch@...
Topic: 6037 Message: 6045

Page 32 of the Acom handbook is pretty clear, fig 7-2

The Acom is only in listen mode, no connection on pin 4 of it's CAT ocnnector when sued with a radio and logging programe

Do you have all your devices set to the same and correct RS232 speed?

73 Fred
A65BD

6046. Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 10:18:03 UTC
From: Bill Turner
Topic: 6037 Message: 6046

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Fri, 12 Sep 2014 08:46:23 -0000, you wrote:

>Bill,
> I too use the Acom 2000A and do not know why you bother with so many
>control cables. The Acom switches bands in a dit or syllable and tunes in
>three seconds automatically. I must be missing something but why do you
>need to go to so much trouble with control cables for the amplifier.

REPLY:

The reason I bother is I do not like transmitting even a single dit
into an amplifier on the wrong band at full power. Yes, the ACOM is a
tough amplifier but I am pretty conservative about such things. When I
do send a dit to change bands, I reduce the drive power way down. If I
can get the automatic band change to work, I won't have to reduce
power or send a dit. It will already be pre-tuned.

73, Bill W6WRT

6047. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 10:24:14 UTC
From: Bill Turner
Topic: 6037 Message: 6047

---------- ORIGINAL MESSAGE ----------(may be snipped)

On 12 Sep 2014 03:17:10 -0700, you wrote:

>Page 32 of the Acom handbook is pretty clear, fig 7-2
>
> The Acom is only in listen mode, no connection on pin 4 of it's CAT ocnnector when sued with a radio and logging programe
>
>
> Do you have all your devices set to the same and correct RS232 speed?
>
>
> 73 Fred
> A65BD

REPLY:

I will check my cable to make sure pin 4 is not connected.
Yes, all devices and programs are set to 38400 baud.

Thanks for the tip.

73, Bill W6WRT

6048. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 10:08:30 UTC
From: Robert Batchelor
Topic: 6037 Message: 6048

Try changing the com port to 2 or above. Com 1 on most computers is reserved for a mouse and or keyboard.

Bob, W2OSR

On Thursday, September 11, 2014 9:52 PM, "Bill Turner dezrat@... [acom-list]" <acom-list@yahoogroups.com> wrote:

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 11 Sep 2014 17:46:03 -0700, you wrote:

>Put the Y cable between the P3 and the computer etc, not on the K3 side. . The
>K3 to P3 serial cable should not have any other devices sharing it.
>73,
>Eric
>elecraft.com

REPLY:

Just to be clear: I have the "root" of the Y adaptor plugged into the
P3 jack which is labeled PC. One arm of the Y goes to the computer and
the other arm goes to the K3.

Is that correct?

73, Bill W6WRT

6049. Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 22:47:48 UTC
From: Nick - VE3EY
Topic: 6037 Message: 6049

Hi Bill

Did you build your cable according to schematic on page 34 (figure 7-6) from Acom 2000 manual? This wiring diagram is for K3 CAT with ACOM 2000A only. I believe this diagram assumes there is no computer connected in. It only describes the case in which there is a connection between the K3 and Acom 2000A.

If you look at the page 32 (Fig 7-2) which describes the "generic" wiring between RS232 PC port and Transceiver with ACOM connected via "Y" cable, you will notice that they only use the RXD wiring and the ground. TXD line has been omitted.

RCU DB15 Pin 1 <-------> RS-232 Pin 2
RCU DB15 Pin 5 <-------> RS-232 Pin 5 (Ground)

I initially built the CAT cable using all 3 wires (RXD, TXD + Ground) and as soon as ACOM would come online, K3 would not work properly with my LP-PAN and LP Bridge. I don't use P3.

I snipped the TXD line after reading your email and now everything appears to be working fine. K3+ACOM2000A+PC are tracking frequency smoothly like usual.

If I now just type the frequency in Win-Test or change the band on my K3, ACOM nicely parks itself on a whichever band segment it detects by sniffing the comm traffic between K3 and the PC.

73, Nick
ve3ey

On Fri, Sep 12, 2014 at 6:18 AM, Bill Turner <dezrat@...> wrote:

> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>
> On Fri, 12 Sep 2014 08:46:23 -0000, you wrote:
>
> >Bill,
> > I too use the Acom 2000A and do not know why you bother with so many
> >control cables. The Acom switches bands in a dit or syllable and tunes
> in
> >three seconds automatically. I must be missing something but why do you
> >need to go to so much trouble with control cables for the amplifier.
>
> REPLY:
>
> The reason I bother is I do not like transmitting even a single dit

> into an amplifier on the wrong band at full power. Yes, the ACOM is a
> tough amplifier but I am pretty conservative about such things. When I
> do send a dit to change bands, I reduce the drive power way down. If I
> can get the automatic band change to work, I won't have to reduce
> power or send a dit. It will already be pre-tuned.
>
> 73, Bill W6WRT
> _____
> Elecraft mailing list
> Home: http://mailman.qth.net/mailman/listinfo/elecraft
> Help: http://mailman.qth.net/mmfaq.htm
> Post: mailto:Elecraft@...
>
> This list hosted by: http://www.qsl.net
> Please help support this email list: http://www.qsl.net/donate.html
> Message delivered to nick.ve3ey@...
>

6050. Re: [acom-list] Re: [Elecraft] Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-12 23:53:13 UTC
From: Bill Turner
Topic: 6037 Message: 6050

My cable is store bought, and it is the kind in figure 7.2, i.e.
without the TXD wire. I ohmed it to be sure. Actually, it is a cable
with a separate Y adaptor, but the effective wiring is the same as
figure 7.2.

And here's the kicker: This morning when I fired up everything to do
some more troubleshooting, everything worked just as it should. It
seems I have an intermittent connection somewhere, most likely in a
cable, connector or the Y adaptor. It's been working fine all day.

I think I will build a new cable and Y adaptor to eliminate that as a
possible cause and see if the problem stays gone.

I did notice one thing that seems odd. When I do not have a logging
program running and I do a manual band change on the K3, the ACOM does
not follow the change. I thought it should. Does your's work that way?
As soon as I start a logging program, everything returns to normal.

Don't you just love these intermittent gremlins? :-)

73, Bill W6WRT

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Fri, 12 Sep 2014 18:47:48 -0400, Nick wrote:

>Hi Bill
>
>Did you build your cable according to schematic on page 34 (figure 7-6)
>from Acom 2000 manual? This wiring diagram is for K3 CAT with ACOM 2000A
>only. I believe this diagram assumes there is no computer connected in.
>It only describes the case in which there is a connection between the K3
>and Acom 2000A.
>
>If you look at the page 32 (Fig 7-2) which describes the "generic" wiring
>between RS232 PC port and Transceiver with ACOM connected via "Y" cable,
>you will notice that they only use the RXD wiring and the ground. TXD
>line has been omitted.
>
>RCU DB15 Pin 1 <-------> RS-232 Pin 2
>RCU DB15 Pin 5 <-------> RS-232 Pin 5 (Ground)
>
>I initially built the CAT cable using all 3 wires (RXD, TXD + Ground) and
>as soon as ACOM would come online, K3 would not work properly with my
>LP-PAN and LP Bridge. I don't use P3.
>
>I snipped the TXD line after reading your email and now everything appears

>to be working fine. K3+ACOM2000A+PC are tracking frequency smoothly like
>usual.
>
>If I now just type the frequency in Win-Test or change the band on my K3,
>ACOM nicely parks itself on a whichever band segment it detects by sniffing
>the comm traffic between K3 and the PC.
>
>73, Nick
>ve3ey
>
>
>On Fri, Sep 12, 2014 at 6:18 AM, Bill Turner <dezrat@...> wrote:
>
>> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>>
>> On Fri, 12 Sep 2014 08:46:23 -0000, you wrote:
>>
>> >Bill,
>> > I too use the Acom 2000A and do not know why you bother with so many
>> >control cables. The Acom switches bands in a dit or syllable and tunes
>> in
>> >three seconds automatically. I must be missing something but why do you
>> >need to go to so much trouble with control cables for the amplifier.
>>
>> REPLY:
>>
>> The reason I bother is I do not like transmitting even a single dit
>> into an amplifier on the wrong band at full power. Yes, the ACOM is a
>> tough amplifier but I am pretty conservative about such things. When I
>> do send a dit to change bands, I reduce the drive power way down. If I
>> can get the automatic band change to work, I won't have to reduce
>> power or send a dit. It will already be pre-tuned.
>>
>> 73, Bill W6WRT
>> _____
>> Elecraft mailing list
>> Home: http://mailman.qth.net/mailman/listinfo/elecraft
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>>
>> This list hosted by: http://www.qsl.net
>> Please help support this email list: http://www.qsl.net/donate.html
>> Message delivered to nick.ve3ey@...
>>

6051. Re: [Elecraft] [acom-list] Re: Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-13 14:02:50 UTC
From: Bill Turner
Topic: 6051 Message: 6051

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Sat, 13 Sep 2014 12:36:40 +0600, UA9CDC wrote:

>I do not have ACOM2000 but I use the same arrangement with Expert 1-KFA and
>K3. Logging program polls the radio and the amp only "listens" for K3
>response to learn the operating freq. When you terminate logger there is no
>polling anymore. Therefore the system does not work as expected. This is
>normal.

REPLY:

So the K3 does not send data unless polled? OK, now things make more sense. This explains why, if you're not using the Y connector to your computer, your data cable must have the TXD wire so the ACOM can poll the K3.

Is my assumption correct? The ACOM does poll the K3 in that case?

Things are finally coming clear. I wish this had been explained in the ACOM manual.

Many thanks to all who replied on this issue.

73, Bill W6WRT

6052. Re: [Elecraft] [acom-list] Re: Elecraft K3 and ACOM 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-13 16:59:10 UTC
From: Nick - VE3EY
Topic: 6052 Message: 6052

Hi Dick and Val
Thanks for sharing this valuable info with the group.

Similar to Bill, W6WRT after I fixed my CAT cable to exclude TXD line my entire setup started working but later on I realized it wasn't working reliably. On some occasions, amp would not detect the frequency change until after I started spinning the VFO knob. This was while I had the Win-Test logging program running and polling my K3. Autonfo on my K3 is set to "nor".

On some bands the amp refused to follow the frequency. For example, I would switch the radio to 20 meters but the amp for some reason thought it was still on 15. If I turn the CAT off on the Acom's RCU unit and transmit some RF, the amp would correctly switch to 20 and tune up. Without changing anything else and while the K3 and Win-Test were still on 20m, if I turn the on the CAT on the RCU unit, the amp would jump back on 15m for some reason.

The whole thing started working reliably after I took LP Bridge out of the picture. In Win-Test if I define the radio on the real COM port the PC is connected to the K3 and change the pooling from "Auto" to 300msec the amp works well. I changed the band numerous times and Acom followed without a hitch.

In my case LP-Bridge seems to be confusing the amp but I can't tell why. LP-Bridge does read everything correctly from the K3 and Win-Test works perfectly along with it.

73, Nick
ve3ey

On Sat, Sep 13, 2014 at 10:33 AM, Dick Dievendorff <dick@...>
wrote:

> I don't have an ACOM, SteppIR-controller, or Expert 1-KFA.
>
> I'd suggest that you don't want two TxD connections on an RS-232 "Y"
> connector. You need one from the PC to the K3. I don't think you want TxD
> from K3 to ACOM.
>
> RS-232 is not a protocol that permits two senders. It's ok to "sniff" the
> Rx
> line, multiple receivers.
>
> I doubt that the ACOM (or the Expert) polls the K3. I bet they are passive
> listeners.
>

> You need frequency messages to be presented to the ACOM on QSY.
>
> The "normal" technique for this is to turn on K3 Auto Info (a K3 menu
> configuration selection). Then as you QSY (or actually, your QSY stops),
> the
> K3 sends a message with the new frequency.
>
> If you are running a logging program, it probably polls the K3 for
> frequency
> often, and the ACOM can "sniff" those responses, and then the K3 Auto Info
> isn't as necessary.
>
> Some loggers don't mind if you leave Auto Info on. It's just extra
> information on change and the logger can either ignore or exploit those
> unsolicited messages.
>
> However it's possible that some loggers might not deal well with unexpected
> messages that can occur in "auto info" mode. Then K3 Auto Info has to be
> turned off (or the logging program needs to learn to deal with unexpected
> auto info messages).
>
> I think you're close, but I wouldn't connect two senders...
>
> 73 de Dick, K6KR
>
>
> -----Original Message-----
> From: Elecraft [mailto:elecraft-bounces@...] On Behalf Of Bill
> Turner
> Sent: Saturday, September 13, 2014 7:03 AM
> To: acom-list@yahoogroups.com
> Cc: Elecraft
> Subject: Re: [Elecraft] [acom-list] Re: Elecraft K3 and ACOM 2000A
>
> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>
> On Sat, 13 Sep 2014 12:36:40 +0600, UA9CDC wrote:
>
> >I do not have ACOM2000 but I use the same arrangement with Expert 1-KFA
> >and K3. Logging program polls the radio and the amp only "listens" for
> >K3 response to learn the operating freq. When you terminate logger
> >there is no polling anymore. Therefore the system does not work as
> >expected. This is normal.
>
> REPLY:
>
> So the K3 does not send data unless polled? OK, now things make more sense.
> This explains why, if you're not using the Y connector to your computer,
> your data cable must have the TXD wire so the ACOM can poll the K3.
>

> Is my assumption correct? The ACOM does poll the K3 in that case?
>
> Things are finally coming clear. I wish this had been explained in the ACOM
> manual.
>
> Many thanks to all who replied on this issue.
>
> 73, Bill W6WRT
> _____
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> Post: mailto:Elecraft@...
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> This list hosted by: http://www.qsl.net
> Please help support this email list: http://www.qsl.net/donate.html
> Message
> delivered to dick@...
>
> _____
> Elecraft mailing list
> Home: http://mailman.qth.net/mailman/listinfo/elecraft
> Help: http://mailman.qth.net/mmfaq.htm
> Post: mailto:Elecraft@...
>
> This list hosted by: http://www.qsl.net
> Please help support this email list: http://www.qsl.net/donate.html
> Message delivered to nick.ve3ey@...
>

6053. Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-28 06:31:43 UTC
From: g3xfa@...
Topic: 4109 Message: 6053

Hi All

Just recently got a 2000a , 2011 model I wish to use it with my computer and use a Acom Director software
My Pc is running on windows 8.1 , my pc only has usb ports on it....
So fat I have tried using a usb to 9 pin rs-232 with the ftdi chip in it. At the end of the lead I have connected a null modern lead and connect it to the rs-232 pin on the acom, also the rcu unit is still connected. the rcu unit is not the new one....
Any ideas Please.

g3xfa@btinternet.com

6054. Re: [acom-list] Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-29 00:33:25 UTC
From: texasjackberry
Topic: 4109 Message: 6054

Does Win 8.1 like the driver, shows hardware is working properly?
I suppose you have tried it with the RCU disconnected?

Sent from my iPad

> On Sep 28, 2014, at 1:31 AM, g3xfa@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Hi All
>
>
>
> Just recently got a 2000a , 2011 model I wish to use it with my computer and use a Acom Director software
>
> My Pc is running on windows 8.1 , my pc only has usb ports on it....
>
> So fat I have tried using a usb to 9 pin rs-232 with the ftdi chip in it. At the end of the lead I have connected a null modern lead and connect it to the rs-232 pin on the acom, also the rcu unit is still connected. the rcu unit is not the new one....
>
> Any ideas Please.
>
>
>
> g3xfa@btinternet.com
>
>

6055. ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-30 19:35:32 UTC
From: K0DAN
Topic: 6037 Message: 6055

Just turned on the amp, which was working fine a few days ago, and just got a "Microprocessor Conflict" protection fault, which shuts down the amp. Amplifier starts its power-up sequence, throws the error in about the first 10-20 seconds.

All I can find in the manual is the "OFF5" recommendation (to turn off the amp for 5 minutes and try again). No joy.

I reseated the connector to the RCU, removed power from the amp and RF deck for an extended period, no joy.

This is an early serial # of the 2000A, and has the old style RCU.

Has anyone had any experience with this error, and any suggestions where I can research a repair?

Thanks and 73,

Dan
K0DAN

6056. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-30 19:46:11 UTC
From: W5OV@...
Topic: 6037 Message: 6056

Some of the oldest units had a "socketed" chip in the RCU. Sometimes, the pins on the chip would corrode and become intermittent. You can take the RCU apart and try moving the chip slightly - you don't need to remove it - just lift it a little at both ends and re-seat it flat into the socket. This should scrape the pins enough to make a better connection. This happened in mine about 10 years ago and has not happened again.

73,

Bob W5OV

On Tue, September 30, 2014 2:35 pm, 'K0DAN' k0dan@... [acom-list] wrote:
> Just turned on the amp, which was working fine a few days ago, and just
> got a "Microprocessor Conflict" protection fault, which shuts down the
> amp. Amplifier starts its power-up sequence, throws the error in about the
> first 10-20 seconds.
>
>
> All I can find in the manual is the "OFF5" recommendation (to turn off
> the amp for 5 minutes and try again). No joy.
>
> I reseated the connector to the RCU, removed power from the amp and RF
> deck for an extended period, no joy.
>
> This is an early serial # of the 2000A, and has the old style RCU.
>
>
> Has anyone had any experience with this error, and any suggestions where
> I
> can research a repair?
>
> Thanks and 73,
>
>
> Dan
> K0DAN
>
>
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>
> ------------------------------------
> Posted by: "K0DAN" <k0dan@...>
> ------------------------------------
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> Yahoo Groups Links
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6057. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-09-30 22:28:37 UTC
From: K0DAN
Topic: 6037 Message: 6057

AHA! Thanks for the tip, Bob, I will do the drill and report back the results.

Tnx es 73

dan
k0dan

-----Original Message-----
From: W5OV@... [acom-list]
Sent: September 30, 2014 14:46
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict

Some of the oldest units had a "socketed" chip in the RCU. Sometimes, the pins on the chip would corrode and become intermittent. You can take the RCU apart and try moving the chip slightly - you don't need to remove it - just lift it a little at both ends and re-seat it flat into the socket. This should scrape the pins enough to make a better connection. This happened in mine about 10 years ago and has not happened again.

73,

Bob W5OV

On Tue, September 30, 2014 2:35 pm, 'K0DAN' k0dan@... [acom-list] wrote:
> Just turned on the amp, which was working fine a few days ago, and just
> got a "Microprocessor Conflict" protection fault, which shuts down the
> amp. Amplifier starts its power-up sequence, throws the error in about the
> first 10-20 seconds.
>
>
> All I can find in the manual is the "OFF5" recommendation (to turn off
> the amp for 5 minutes and try again). No joy.
>
> I reseated the connector to the RCU, removed power from the amp and RF
> deck for an extended period, no joy.
>
> This is an early serial # of the 2000A, and has the old style RCU.
>
>
> Has anyone had any experience with this error, and any suggestions where
> I
> can research a repair?
>
> Thanks and 73,

>
>
> Dan
> K0DAN
>
>
>
>
> ------------------------------------
> Posted by: "K0DAN" <k0dan@...>
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> Yahoo Groups Links
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Posted by: w5ov@...

Yahoo Groups Links

6058. Vedr: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-01 08:05:12 UTC
From: ragnar otterstad
Topic: 6037 Message: 6058

I would send an email to Stan at the factory.

73 rag la5he

Den Onsdag, 1. oktober 2014 0.28 skrev "'K0DAN' k0dan@... [acom-list]"
<acom-list@yahoogroups.com>:

AHA! Thanks for the tip, Bob, I will do the drill and report back the
results.

Tnx es 73

dan
k0dan

-----Original Message-----
From: W5OV@... [acom-list]
Sent: September 30, 2014 14:46
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict

Some of the oldest units had a "socketed" chip in the RCU. Sometimes, the
pins on the chip would corrode and become intermittent. You can take the
RCU apart and try moving the chip slightly - you don't need to remove it -
just lift it a little at both ends and re-seat it flat into the socket.
This should scrape the pins enough to make a better connection. This
happened in mine about 10 years ago and has not happened again.

73,

Bob W5OV

On Tue, September 30, 2014 2:35 pm, 'K0DAN' k0dan@... [acom-list]
wrote:
> Just turned on the amp, which was working fine a few days ago, and just
> got a "Microprocessor Conflict" protection fault, which shuts down the
> amp. Amplifier starts its power-up sequence, throws the error in about the
> first 10-20 seconds.
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> All I can find in the manual is the "OFF5" recommendation (to turn off
> the amp for 5 minutes and try again). No joy.
>
> I reseated the connector to the RCU, removed power from the amp and RF
> deck for an extended period, no joy.
>
> This is an early serial # of the 2000A, and has the old style RCU.

>
>
> Has anyone had any experience with this error, and any suggestions where
> I
> can research a repair?
>
> Thanks and 73,
>
>
> Dan
> K0DAN
>
>
>
>
> ------------------------------------
> Posted by: "K0DAN" <k0dan@...>
> ------------------------------------
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> Yahoo Groups Links
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Posted by: w5ov@...

Yahoo Groups Links

6059. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-01 21:36:37 UTC
From: K0DAN
Topic: 6037 Message: 6059

Hi Bob...

Good news and bad news.

I reseated the microprocessor chip and put the RCU back together.

Started the amp, and it made the countdown to 000 without the "Microprocessor Conflict" error.

However, when it reached 000 it did not do the "roger beep", did not set the servos, and the buttons on the RCU were non-responsive.

Powered off and back on, and then got the "Microprocessor Conflict". Powered off and on again and the amplifier went thru normal start-up and gave "roger beep" at 000 and would switch into "operate" mode, appeared working properly.

I need to power cycle it some more but am nervous about the intermittent behavior it's showing.

Any further words of advice?

Thanks and 73

dan
k0dan

-----Original Message-----
From: K0DAN
Sent: September 30, 2014 17:28
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict

AHA! Thanks for the tip, Bob, I will do the drill and report back the results.

Tnx es 73

dan
k0dan

-----Original Message-----
From: W5OV@... [acom-list]
Sent: September 30, 2014 14:46
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict

Some of the oldest units had a "socketed" chip in the RCU. Sometimes, the pins on the chip would corrode and become intermittent. You can take the

RCU apart and try moving the chip slightly - you don't need to remove it - just lift it a little at both ends and re-seat it flat into the socket. This should scrape the pins enough to make a better connection. This happened in mine about 10 years ago and has not happened again.

73,

Bob W5OV

On Tue, September 30, 2014 2:35 pm, 'K0DAN' k0dan@... [acom-list] wrote:
> Just turned on the amp, which was working fine a few days ago, and just
> got a "Microprocessor Conflict" protection fault, which shuts down the
> amp. Amplifier starts its power-up sequence, throws the error in about the
> first 10-20 seconds.
>
>
> All I can find in the manual is the "OFF5" recommendation (to turn off
> the amp for 5 minutes and try again). No joy.
>
> I reseated the connector to the RCU, removed power from the amp and RF
> deck for an extended period, no joy.
>
> This is an early serial # of the 2000A, and has the old style RCU.
>
>
> Has anyone had any experience with this error, and any suggestions where
> I
> can research a repair?
>
> Thanks and 73,
>
>
> Dan
> K0DAN
>>

6060. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-01 21:47:26 UTC
From: W5OV@...
Topic: 6037 Message: 6060

So - it's working now? Did I read your note correctly?

-Bob

On Wed, October 1, 2014 4:36 pm, 'K0DAN' k0dan@... [acom-list] wrote:
> Hi Bob...
>
>
> Good news and bad news.
>
>
> I reseated the microprocessor chip and put the RCU back together.
>
>
> Started the amp, and it made the countdown to 000 without the
> "Microprocessor Conflict" error.
>
>
> However, when it reached 000 it did not do the "roger beep", did not set
> the servos, and the buttons on the RCU were non-responsive.
>
> Powered off and back on, and then got the "Microprocessor Conflict".
> Powered
> off and on again and the amplifier went thru normal start-up and gave
> "roger
> beep" at 000 and would switch into "operate" mode, appeared working
> properly.
>
> I need to power cycle it some more but am nervous about the intermittent
> behavior it's showing.
>
> Any further words of advice?
>
>
> Thanks and 73
>
>
> dan k0dan
>
> -----Original Message-----
> From: K0DAN
> Sent: September 30, 2014 17:28
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict
>

>
> AHA! Thanks for the tip, Bob, I will do the drill and report back the
> results.
>
> Tnx es 73
>
>
> dan k0dan
>
> -----Original Message-----
> From: W5OV@... [acom-list]
> Sent: September 30, 2014 14:46
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict
>
>
> Some of the oldest units had a "socketed" chip in the RCU. Sometimes,
> the pins on the chip would corrode and become intermittent. You can take
> the RCU apart and try moving the chip slightly - you don't need to remove
> it - just lift it a little at both ends and re-seat it flat into the
> socket. This should scrape the pins enough to make a better connection.
> This
> happened in mine about 10 years ago and has not happened again.
>
> 73,
>
>
> Bob W5OV
>
>
>
> On Tue, September 30, 2014 2:35 pm, 'K0DAN' k0dan@... [acom-list]
> wrote:
>
>> Just turned on the amp, which was working fine a few days ago, and just
>> got a "Microprocessor Conflict" protection fault, which shuts down the
>> amp. Amplifier starts its power-up sequence, throws the error in about
>> the first 10-20 seconds.
>>
>>
>> All I can find in the manual is the "OFF5" recommendation (to turn off
>> the amp for 5 minutes and try again). No joy.
>>
>> I reseated the connector to the RCU, removed power from the amp and RF
>> deck for an extended period, no joy.
>>
>> This is an early serial # of the 2000A, and has the old style RCU.
>>
>>
>>

>> Has anyone had any experience with this error, and any suggestions
>> where I
>> can research a repair?
>>
>> Thanks and 73,
>>
>>
>>
>> Dan
>> K0DAN
>>
>>>
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> ------------------------------------
> Posted by: "K0DAN" <k0dan@...>
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> Yahoo Groups Links
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6061. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-02 16:27:44 UTC
From: K0DAN
Topic: 6037 Message: 6061

At first it was intermittent during power cycles. I have since done about a dozen power start-ups and it now seems to be working properly. I'm a little nervous that it was at first still getting "Microprocessor Conflict" and mysteriously stopped, but I have since done about a dozen power start-ups and it now seems to be working properly.

Thanks for your assistance!

73

dan
k0dan

-----Original Message-----
From: W5OV@... [acom-list]
Sent: October 01, 2014 16:47
To: acom-list@yahoogroups.com
Cc: w5ov@...
Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict

So - it's working now? Did I read your note correctly?

-Bob

On Wed, October 1, 2014 4:36 pm, 'K0DAN' k0dan@... [acom-list]
wrote:
> Hi Bob...
>
>
> Good news and bad news.
>
>
> I reseated the microprocessor chip and put the RCU back together.
>
>
> Started the amp, and it made the countdown to 000 without the
> "Microprocessor Conflict" error.
>
>
> However, when it reached 000 it did not do the "roger beep", did not set
> the servos, and the buttons on the RCU were non-responsive.
>
> Powered off and back on, and then got the "Microprocessor Conflict".
> Powered
> off and on again and the amplifier went thru normal start-up and gave
> "roger
> beep" at 000 and would switch into "operate" mode, appeared working

> properly.
>
> I need to power cycle it some more but am nervous about the intermittent
> behavior it's showing.
>
> Any further words of advice?
>
>
> Thanks and 73
>
>
> dan k0dan
>
> -----Original Message-----
> From: K0DAN
> Sent: September 30, 2014 17:28
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict
>
>
> AHA! Thanks for the tip, Bob, I will do the drill and report back the
> results.
>
> Tnx es 73
>
>
> dan k0dan
>
> -----Original Message-----
> From: W5OV@... [acom-list]
> Sent: September 30, 2014 14:46
> To: acom-list@yahoogroups.com
> Subject: Re: [acom-list] ACOM 2000A Microprocessor Conflict
>
>
> Some of the oldest units had a "socketed" chip in the RCU. Sometimes,
> the pins on the chip would corrode and become intermittent. You can take
> the RCU apart and try moving the chip slightly - you don't need to remove
> it - just lift it a little at both ends and re-seat it flat into the
> socket. This should scrape the pins enough to make a better connection.
> This
> happened in mine about 10 years ago and has not happened again.
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> 73,
>
>
> Bob W5OV
>
>
>

> On Tue, September 30, 2014 2:35 pm, 'K0DAN' k0dan@... [acom-list]
> wrote:
>
>> Just turned on the amp, which was working fine a few days ago, and just
>> got a "Microprocessor Conflict" protection fault, which shuts down the
>> amp. Amplifier starts its power-up sequence, throws the error in about
>> the first 10-20 seconds.
>>
>>
>> All I can find in the manual is the "OFF5" recommendation (to turn off
>> the amp for 5 minutes and try again). No joy.
>>
>> I reseated the connector to the RCU, removed power from the amp and RF
>> deck for an extended period, no joy.
>>
>> This is an early serial # of the 2000A, and has the old style RCU.
>>
>>
>>
>> Has anyone had any experience with this error, and any suggestions
>> where I
>> can research a repair?
>>
>> Thanks and 73,
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>> Dan
>> K0DAN
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> ------------------------------------
> Posted by: "K0DAN" <k0dan@...>
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> Yahoo Groups Links
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Posted by: w5ov@...

Yahoo Groups Links

6062. Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 04:52:22 UTC
From: Bill Turner
Topic: 6062 Message: 6062

My 2000A has developed a moderately loud whine from the blower. It comes and goes with changes in line voltage like when I go from TX to RX and vice versa. This is a high pitched tone, not the usual air noise.

Has anybody had this or better yet, found a fix for it?

Thanks in advance,

73, Bill W6WRT

6063. RE: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 07:13:19 UTC
From: Bill Hider
Topic: 6062 Message: 6063

I don't have changing pitch in the blower fan when I switch from XMIT to RX.

I installed AWG 8 wiring to my 2000A from the 20A breakers in the A/C panel (240V, single PH service) to protect against the problem you describe.

I don't know if this is your problem or not, but it may be something to check.

73,

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, October 08, 2014 12:52 AM
To: ACOM group
Subject: [acom-list] Blower whine

My 2000A has developed a moderately loud whine from the blower. It comes and goes with changes in line voltage like when I go from TX to RX and vice versa. This is a high pitched tone, not the usual air noise.

Has anybody had this or better yet, found a fix for it?

Thanks in advance,

73, Bill W6WRT

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4037/8345 - Release Date: 10/07/14

6064. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 12:21:02 UTC
From: Hal Kennedy
Topic: 6062 Message: 6064

GM Bill -

Depending on the age of your 2000A it will have one of three different blower configurations that have been used over the years.
The original blower was made by Bomax - the same blower used in Alphas of that era. Anyone with either an ACOM or Alpha with a Bomax blower is running on borrowed time. They eventually wind up creating one version or another of bearing noise. It can be temperature sensitive, line voltage sensitive etc. Mine used to get noisy about 20 minutes after power on.

There is no direct replacement for the 120 VAC Bomax blower. Instead, ACOM went to a 24VDC (or is it 12VDC?) blower and a different bracket to fit it in. The swap out is very simple. New 2000As have the new blower directly wired in. For Bomax replacement however, ACOM came up with a slightly different configuration: The new blower and bracket, with a small 120VAC to 24VDC power supply attached to the back. This make the retrofit easy - as an "assembly" it hooks to the existing 120 VAC wiring.

I'd contact ACOM/Array Solutions for a new blower --
73,
Hal N4GG

> My 2000A has developed a moderately loud whine from the blower. It
> comes and goes with changes in line voltage like when I go from TX to
> RX and vice versa. This is a high pitched tone, not the usual air
> noise.
>
> Has anybody had this or better yet, found a fix for it?
>
> Thanks in advance,
>
> 73, Bill W6WRT
>
>

6065. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 15:57:22 UTC
From: Bill Turner
Topic: 6062 Message: 6065

I should have mentioned my 2000A is less than two months old.

Pretty sure this is not bearing noise.

73, Bill W6WRT

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Wed, 08 Oct 2014 08:21:02 -0400, you wrote:

>GM Bill -
>
>Depending on the age of your 2000A it will have one of three different
>blower configurations that have been used over the years.
>The original blower was made by Bomax - the same blower used in Alphas
>of that era. Anyone with either an ACOM or Alpha with a Bomax blower is
>running on borrowed time. They eventually wind up creating one version
>or another of bearing noise. It can be temperature sensitive, line
>voltage sensitive etc. Mine used to get noisy about 20 minutes after
>power on.
>
>There is no direct replacement for the 120 VAC Bomax blower. Instead,
>ACOM went to a 24VDC (or is it 12VDC?) blower and a different bracket to
>fit it in. The swap out is very simple. New 2000As have the new blower
>directly wired in. For Bomax replacement however, ACOM came up with a
>slightly different configuration: The new blower and bracket, with a
>small 120VAC to 24VDC power supply attached to the back. This make the
>retrofit easy - as an "assembly" it hooks to the existing 120 VAC wiring.
>
>I'd contact ACOM/Array Solutions for a new blower --
>73,
>Hal N4GG
>
>
>
>
>> My 2000A has developed a moderately loud whine from the blower. It
>> comes and goes with changes in line voltage like when I go from TX to
>> RX and vice versa. This is a high pitched tone, not the usual air
>> noise.
>>
>> Has anybody had this or better yet, found a fix for it?
>>
>> Thanks in advance,
>>
>> 73, Bill W6WRT

>>
>>

6066. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 16:55:30 UTC
From: Jack Berry
Topic: 6062 Message: 6066

Then it must be under warranty, yes?

> On Oct 8, 2014, at 10:57 AM, Bill Turner dezrat@... [acom-list]
<acom-list@yahoogroups.com> wrote:
>
> I should have mentioned my 2000A is less than two months old.
>
> Pretty sure this is not bearing noise.
>
> 73, Bill W6WRT
>
> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>
> On Wed, 08 Oct 2014 08:21:02 -0400, you wrote:
>
> >GM Bill -
> >
> >Depending on the age of your 2000A it will have one of three different
> >blower configurations that have been used over the years.
> >The original blower was made by Bomax - the same blower used in Alphas
> >of that era. Anyone with either an ACOM or Alpha with a Bomax blower is
> >running on borrowed time. They eventually wind up creating one version
> >or another of bearing noise. It can be temperature sensitive, line
> >voltage sensitive etc. Mine used to get noisy about 20 minutes after
> >power on.
> >
> >There is no direct replacement for the 120 VAC Bomax blower. Instead,
> >ACOM went to a 24VDC (or is it 12VDC?) blower and a different bracket to
> >fit it in. The swap out is very simple. New 2000As have the new blower
> >directly wired in. For Bomax replacement however, ACOM came up with a
> >slightly different configuration: The new blower and bracket, with a
> >small 120VAC to 24VDC power supply attached to the back. This make the
> >retrofit easy - as an "assembly" it hooks to the existing 120 VAC wiring.
> >
> >I'd contact ACOM/Array Solutions for a new blower --
> >73,
> >Hal N4GG
> >
> >
> >
> >
> >> My 2000A has developed a moderately loud whine from the blower. It
> >> comes and goes with changes in line voltage like when I go from TX to
> >> RX and vice versa. This is a high pitched tone, not the usual air
> >> noise.

> >>
> >> Has anybody had this or better yet, found a fix for it?
> >>
> >> Thanks in advance,
> >>
> >> 73, Bill W6WRT
> >>
> >>
>

6067. Filament voltage 5.5 alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 17:12:02 UTC
From: ki4d@...
Topic: 6067 Message: 6067

Anyone have any idea what comes next when an ACOM2000A shuts down operation with an error message showing filament voltage high 5.5 voltage? That happened with mine last Sunday. Any ideas or help would be most appreciated.

Don, KI4D

6068. Re: [acom-list] Filament voltage 5.5 alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 17:20:16 UTC
From: Brian
Topic: 6067 Message: 6068

Do you mean low?

Low voltage used to occur in earlier 2000's due to burning and corrosion
in the connectors running filament voltage to the PCB's.

73 de Brian/K3KO

On 10/8/2014 17:12, ki4d@... [acom-list] wrote:
>
>
> Anyone have any idea what comes next when an ACOM2000A shuts down
> operation with an error message showing filament voltage high 5.5
> voltage? That happened with mine last Sunday. Any ideas or help would
> be most appreciated.
>
>
> Don, KI4D
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2247 / Virus Database: 4031/7847 - Release Date: 10/08/14
>

6069. RE: [acom-list] Filament voltage 5.5 alarm

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 18:31:00 UTC
From: Don Lewis (KI4D)
Topic: 6067 Message: 6069

Hi Brian, thanks for asking.

To help clarify and provide a little more info, the red protect light lights up on the control head, and the LCD message is "+5V TOO HIGH: 5.5V." I am thinking I might need tube replacement but that is only a hunch.

I especially welcome comments from anyone who has seen this condition. I don't want to have to ship the amp unless absolutely necessary.

Don, KI4D

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, October 8, 2014 1:20 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Filament voltage 5.5 alarm

Do you mean low?

Low voltage used to occur in earlier 2000's due to burning and corrosion
in the connectors running filament voltage to the PCB's.

73 de Brian/K3KO

On 10/8/2014 17:12, ki4d@... [acom-list] wrote:
>
>
> Anyone have any idea what comes next when an ACOM2000A shuts down
> operation with an error message showing filament voltage high 5.5
> voltage? That happened with mine last Sunday. Any ideas or help would
> be most appreciated.
>
>
> Don, KI4D
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2247 / Virus Database: 4031/7847 - Release Date: 10/08/14
>

6070. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 19:04:20 UTC
From: Bill Turner
Topic: 6062 Message: 6070

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Wed, 8 Oct 2014 11:55:30 -0500, you wrote:

>Then it must be under warranty, yes?

REPLY:

Yes, but I'm not sending it back for this. It's not that annoying.

73, Bill W6WRT

6071. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-08 23:40:42 UTC
From: Gerald Wilson
Topic: 6062 Message: 6071

Given that Bill's amp is a "low hours" amp, one would not expect such early fan motor bearing failure.

It might be good to make sure everything is powered down and discharged first--and then it would be good to open up the amp enough to make sure some foreign debris was not sucked into the fan, thereby causing noise generated by the fan-blade contact. Just another thought.....

Constructively submitted,

Jerry K7VIT

PS I have a 2-fan ACOM 1000 whose 2 fans running are quieter than my XCVR's 1 fan cycling when running less than 1/2 power. <Grins>

On 10/8/2014 16:55, Jack Berry texasjackberry@... [acom-list] wrote:
> Then it must be under warranty, yes?
>
>
> On Oct 8, 2014, at 10:57 AM, Bill Turner dezrat@...
> <mailto:dezrat@...> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
>> I should have mentioned my 2000A is less than two months old.
>>
>> Pretty sure this is not bearing noise.
>>
>> 73, Bill W6WRT
>>
>> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>>
>> On Wed, 08 Oct 2014 08:21:02 -0400, you wrote:
>>
>> >GM Bill -
>> >
>> >Depending on the age of your 2000A it will have one of three different
>> >blower configurations that have been used over the years.
>> >The original blower was made by Bomax - the same blower used in Alphas
>> >of that era. Anyone with either an ACOM or Alpha with a Bomax blower is
>> >running on borrowed time. They eventually wind up creating one version
>> >or another of bearing noise. It can be temperature sensitive, line
>> >voltage sensitive etc. Mine used to get noisy about 20 minutes after
>> >power on.
>> >
>> >There is no direct replacement for the 120 VAC Bomax blower. Instead,

>> >ACOM went to a 24VDC (or is it 12VDC?) blower and a different
>> bracket to
>> >fit it in. The swap out is very simple. New 2000As have the new blower
>> >directly wired in. For Bomax replacement however, ACOM came up with a
>> >slightly different configuration: The new blower and bracket, with a
>> >small 120VAC to 24VDC power supply attached to the back. This make the
>> >retrofit easy - as an "assembly" it hooks to the existing 120 VAC
>> wiring.
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>> >I'd contact ACOM/Array Solutions for a new blower --
>> >73,
>> >Hal N4GG
>> >
>> >
>> >
>> >
>> >> My 2000A has developed a moderately loud whine from the blower. It
>> >> comes and goes with changes in line voltage like when I go from TX to
>> >> RX and vice versa. This is a high pitched tone, not the usual air
>> >> noise.
>> >>
>> >> Has anybody had this or better yet, found a fix for it?
>> >>
>> >> Thanks in advance,
>> >>
>> >> 73, Bill W6WRT
>> >>
>> >>
>>
>

6072. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-09 02:29:03 UTC
From: Bill Turner
Topic: 6062 Message: 6072

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Wed, 08 Oct 2014 23:40:42 +0000, you wrote:

>Given that Bill's amp is a "low hours" amp, one would not expect such
>early fan motor bearing failure.
>
>It might be good to make sure everything is powered down and discharged
>first--and then it would be good to open up the amp enough to make sure
>some foreign debris was not sucked into the fan, thereby causing noise
>generated by the fan-blade contact. Just another thought.....
>
>Constructively submitted,
>
> Jerry K7VIT

REPLY:

I will do what you suggest, but this seems more like a sympathetic vibration than anything else. As I mentioned, it comes and goes with a small change in line voltage like going from RX to TX and vice versa. Also, if I use my finger and stop the external fan, the noise stops but my gut feeling is it's not the fan itself, but something else like a pressure change inside.

By the way, how should that external fan be mounted? I mounted it blowing air in, but it could be mounted sucking air out. There were no instructions that came with it.

Right now it's perfectly quiet, TX or RX. I think it knows I'm writing this email about it. :-)

73, Bill W6WRT

6073. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-09 05:03:24 UTC
From: Gerald Wilson
Topic: 6062 Message: 6073

Again, I am operating with an ACOM 1000, little brother to your amp.

My optional 2nd fan draws air from outside in the back to force it through the power supply and over the power XFMR. The air continues to the RF deck, through the standard equipment 1st fan, to the tube base, up through the tube fins, and out of the amp. I am very impressed with the design, and I very much appreciate the temperature sensor and readout.

One would not want the 2 fans fighting each other for cooling air. Make sure they are installed to help each other.

Bill, I believe you have some good observations, but I wanted to point out one more option. Of course, there is always the possibility of a loose filter or fan guard/shield which could vibrate sympathetically. That's another thought: loose hardware somewhere nearby.

Good luck with the whine.

73,

Jerry K7VIT

(18 years of my career were spent in acoustics and noise reduction.) :-)

On 10/9/2014 02:29, Bill Turner dezrat@... [acom-list] wrote:
>
> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>
> On Wed, 08 Oct 2014 23:40:42 +0000, you wrote:
>
> >Given that Bill's amp is a "low hours" amp, one would not expect such
> >early fan motor bearing failure.
> >
> >It might be good to make sure everything is powered down and discharged
> >first--and then it would be good to open up the amp enough to make sure
> >some foreign debris was not sucked into the fan, thereby causing noise
> >generated by the fan-blade contact. Just another thought.....
> >
> >Constructively submitted,
> >
> > Jerry K7VIT
>
> REPLY:
>
> I will do what you suggest, but this seems more like a sympathetic
> vibration than anything else. As I mentioned, it comes and goes with a

> small change in line voltage like going from RX to TX and vice versa.
> Also, if I use my finger and stop the external fan, the noise stops
> but my gut feeling is it's not the fan itself, but something else like
> a pressure change inside.
>
> By the way, how should that external fan be mounted? I mounted it
> blowing air in, but it could be mounted sucking air out. There were no
> instructions that came with it.
>
> Right now it's perfectly quiet, TX or RX. I think it knows I'm writing
> this email about it. :-)
>
> 73, Bill W6WRT
>
>
> --
> Posted by: Bill Turner <dezrat@...>
> --
>

6074. Re: Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-09 19:27:32 UTC
From: Eric Fowler
Topic: 6062 Message: 6074

I recently purchased a 2000A with the external fan option. I experienced what I thought sounded like a mild transformer hum, until I noticed the hum "spun down" when I shut the amp off. Upon speaking with Bob over at Array Solutions, we determined it was the external fan. Old firmware versions used to keep the fan off until it was needed, the latest has it running whenever the amp is turned on by the RCU. Since I usually don't run continuous duty modes, Bob suggested adding a switch in line with the fan. My solution was to drill a small hole and mount a mini toggle switch below the fan wire grommet.

Now the amp is nearly silent, with only a slight swoosh of air from the squirrel cage that cools the tubes. If I need the external fan, I reach behind and switch it on.

--
Thx & 73,
Eric / WV3E

[Non-text portions of this message have been removed]

6075. Re: [acom-list] Re: Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-09 19:58:11 UTC
From: Bill Turner
Topic: 6062 Message: 6075

Interesting. Maybe it is my external fan. I noticed that if I remove
the filter and filter bracket the noise stops. For now I'm going to
run it that way.

And yes, I will also be sure to dust out the chassis more often.

73, Bill W6WRT

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 9 Oct 2014 15:27:32 -0400, WV3E wrote:

>I recently purchased a 2000A with the external fan option. I experienced
>what I thought sounded like a mild transformer hum, until I noticed the hum
>"spun down" when I shut the amp off. Upon speaking with Bob over at Array
>Solutions, we determined it was the external fan. Old firmware versions
>used to keep the fan off until it was needed, the latest has it running
>whenever the amp is turned on by the RCU. Since I usually don't run
>continuous duty modes, Bob suggested adding a switch in line with the fan.
>My solution was to drill a small hole and mount a mini toggle switch below
>the fan wire grommet.
>
>
>
>Now the amp is nearly silent, with only a slight swoosh of air from the
>squirrel cage that cools the tubes. If I need the external fan, I reach
>behind and switch it on.

6076. Blower

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-09 20:52:45 UTC
From: W1JCW
Topic: 6062 Message: 6076

That is a sweet sound when my Acom 2K comes online, that swoosh and nothing but power on your Tx.

I love my Acom 2K, they should make bumper stickers!

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, October 09, 2014 2:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Blower whine

I recently purchased a 2000A with the external fan option. I experienced what I thought sounded like a mild transformer hum, until I noticed the hum "spun down" when I shut the amp off. Upon speaking with Bob over at Array Solutions, we determined it was the external fan. Old firmware versions used to keep the fan off until it was needed, the latest has it running whenever the amp is turned on by the RCU. Since I usually don't run continuous duty modes, Bob suggested adding a switch in line with the fan. My solution was to drill a small hole and mount a mini toggle switch below the fan wire grommet.

Now the amp is nearly silent, with only a slight swoosh of air from the squirrel cage that cools the tubes. If I need the external fan, I reach behind and switch it on.

--
Thx & 73,
Eric / WV3E

6077. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-10 04:48:47 UTC
From: Gerald Wilson
Topic: 6062 Message: 6077

Bill,

I'm not familiar with the ACOM 2000 ... perhaps Jay WX0B can chime in on this. The metal filter and other metal components may provide needed shielding which should prevent RF leakage from the amplifier enclosure.

If one or more components are vibrating, it or they can probably be vibration damped to stop that unruly whine. We want them vibration insulated but NOT electrically insulated.

73,

Jerry K7VIT

On 10/9/2014 19:58, Bill Turner dezrat@... [acom-list] wrote:
>
> Interesting. Maybe it is my external fan. I noticed that if I remove
> the filter and filter bracket the noise stops. For now I'm going to
> run it that way.
>
> And yes, I will also be sure to dust out the chassis more often.
>
> 73, Bill W6WRT
>
> ------------ ORIGINAL MESSAGE ------------(may be snipped)
>
> On Thu, 9 Oct 2014 15:27:32 -0400, WV3E wrote:
>
> >I recently purchased a 2000A with the external fan option. I experienced
> >what I thought sounded like a mild transformer hum, until I noticed
> the hum
> >"spun down" when I shut the amp off. Upon speaking with Bob over at Array
> >Solutions, we determined it was the external fan. Old firmware versions
> >used to keep the fan off until it was needed, the latest has it running
> >whenever the amp is turned on by the RCU. Since I usually don't run
> >continuous duty modes, Bob suggested adding a switch in line with the
> fan.
> >My solution was to drill a small hole and mount a mini toggle switch
> below
> >the fan wire grommet.
> >
> >
> >
> >Now the amp is nearly silent, with only a slight swoosh of air from the
> >squirrel cage that cools the tubes. If I need the external fan, I reach

> >behind and switch it on.
>
>

6078. Re: [acom-list] Blower whine

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-10 05:56:06 UTC
From: Bill Turner
Topic: 6062 Message: 6078

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Fri, 10 Oct 2014 04:48:47 +0000, K7VIT wrote:

> The metal filter and other metal components may provide needed
>shielding

REPLY:

The filter I'm speaking of is not metal, it's plastic sponge. Likewise
the bracket which holds it in place is plastic.

73, Bill W6WRT

6079. External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-10 18:21:48 UTC
From: Bill Turner
Topic: 6079 Message: 6079

For what it's worth: The external fan supplied by the dealer is an
Ebm-Papst 4414M.

You might want to shop around for the best price before you order one.
Allied and Mouser carry them and there probably are others.

73, Bill W6WRT

6080. Re: [acom-list] External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-10 19:41:01 UTC
From: Bill Turner
Topic: 6079 Message: 6080

The info below is for the 2000A. Should have mentioned that.

73, Bill W6WRT

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Fri, 10 Oct 2014 11:21:48 -0700, I wrote:

>For what it's worth: The external fan supplied by the dealer is an
>Ebm-Papst 4414M.
>
>You might want to shop around for the best price before you order one.
>Allied and Mouser carry them and there probably are others.
>
>73, Bill W6WRT

6081. Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-11 13:26:39 UTC
From: Jay Terleski
Topic: 6079 Message: 6081

The fan is indeed a Pabst fan, and can be installed with hand tools. Make sure you order a new filter for the fan if you buy one from Mouser, or other electronics distributor.

Now the important part. Believe it or not..... We have had 2 Acom 2000A amplifiers sent to us recently that had the fans installed backwards. So the external fan was fighting the internal blower. Make sure your fan is installed to blow air into the amp.

Due to more dust now able to get into your amp keep inspecting the air filter and clean it. And take the cover off the amp once in a while and do the same.

The Acom 1000 also uses a smaller Pabst fan.

Jay

--
Jay Terleski
Array Solutions
214 954 7140

6082. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-11 13:53:23 UTC
From: Mike Harris
Topic: 6079 Message: 6082

Now doing more RTTY and occasional JT65 (6m eme) so I'm planning to
install the external fan on my Acom 1000. I have the correct size fan
but at present unable to source a snap on filter kit. I'm wondering if
the existing metal mesh filter might be too obstructive and reduce the
effectiveness of the fan. I do have a wire finger guard as illustrated
in the 1000 manual.

Presumably the fan wires enter the chassis through the plastic bung top
centre above the filter.

Regards,

Mike VP8NO

On 11/10/2014 10:26, Jay Terleski jayt@... [acom-list] wrote:
> The fan is indeed a Pabst fan, and can be installed with hand tools. Make
> sure you order a new filter for the fan if you buy one from Mouser, or
> other electronics distributor.
>
> Now the important part. Believe it or not..... We have had 2 Acom 2000A
> amplifiers sent to us recently that had the fans installed backwards. So
> the external fan was fighting the internal blower. Make sure your fan is
> installed to blow air into the amp.
>
> Due to more dust now able to get into your amp keep inspecting the air
> filter and clean it. And take the cover off the amp once in a while and do
> the same.
>
> The Acom 1000 also uses a smaller Pabst fan.
>
> Jay
>

6083. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-12 03:38:59 UTC
From: Bill Turner
Topic: 6079 Message: 6083

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Sat, 11 Oct 2014 08:26:39 -0500, Jay from Array Solutions wrote:

>
>Now the important part. Believe it or not..... We have had 2 Acom 2000A
>amplifiers sent to us recently that had the fans installed backwards. So
>the external fan was fighting the internal blower. Make sure your fan is
>installed to blow air into the amp.

REPLY:

I believe it. My 2000A arrived with the fan tucked into the box but no
installation instructions at all so Murphy helped out with the
installation. Luckily he was in a good mod so I got it right. :-)

Are instructions normally included?

73, Bill W6WRT

6084. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-12 14:27:43 UTC
From: jeff.freedman@...
Topic: 6079 Message: 6084

Mike - what fan are you getting for your 1000? Also curious to all ... is the fan mounted directly on top of the amp's fan, or is there a small stand-off post to mount to?

Thanks - Jeff K7JF

6085. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-12 15:57:55 UTC
From: Mike Harris
Topic: 6079 Message: 6085

The fan fits directly where the existing air inlet filter is on the rear panel. The fan I have is a 92 X 92 25mm 24Vdc 45cu.ft/min Sunon Maglev KDE2409PTV2 13.MS.A.GN. It It was supplied by the Acom importer in the UK, Vine.

I have the concentric circle finger guard for the outside. I doubt that there is any RF screening issue given that the rf circuitry is in a fully screened section of the amp. There is quite a bit of field strength immediately above the tube air exhaust chimney. Though I can't remember the figure it was well below the the exposure safety limits.

Recently when running the amp in JT65A at 900W during a 36 minute QSO the max chimney temp was 73C and the main blower never speeded up. The idea is to get a bit more cooling air around the PSU section components as recommended by Acom for long full power constant carrier transmissions.

A bit more noise, no doubt, I believe that vibration isolation mounts are available if necessary. Heat is no friend to electronics.

I assume Array Solutions supply/fit accessory fans. Jay might well have some input on this.

Regards,

Mike VP8NO

On 12/10/2014 11:27, jeff.freedman@... [acom-list] wrote:
> Mike - what fan are you getting for your 1000? Also curious to all ... is the fan mounted directly on top of the amp's fan, or is there a small stand-off post to mount to?
>
> Thanks - Jeff K7JF
>

6086. RE: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-14 10:54:30 UTC
From: Kees - pa7two
Topic: 6079 Message: 6086

Try a digi mode at around 350-400 Watt output level for that prolonged period of time...
Much worse temperature wise.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 12 Oct 2014 12:57:55 -0300
Subject: Re: [acom-list] Re: External fan

The fan fits directly where the existing air inlet filter is on the rear

panel. The fan I have is a 92 X 92 25mm 24Vdc 45cu.ft/min Sunon Maglev

KDE2409PTV2 13.MS.A.GN. It It was supplied by the Acom importer in the

UK, Vine.

I have the concentric circle finger guard for the outside. I doubt that

there is any RF screening issue given that the rf circuitry is in a

fully screened section of the amp. There is quite a bit of field

strength immediately above the tube air exhaust chimney. Though I can't

remember the figure it was well below the the exposure safety limits.

Recently when running the amp in JT65A at 900W during a 36 minute QSO

the max chimney temp was 73C and the main blower never speeded up. The

idea is to get a bit more cooling air around the PSU section components

as recommended by Acom for long full power constant carrier transmissions.

A bit more noise, no doubt, I believe that vibration isolation mounts

are available if necessary. Heat is no friend to electronics.

I assume Array Solutions supply/fit accessory fans. Jay might well have

some input on this.

Regards,

Mike VP8NO

On 12/10/2014 11:27, jeff.freedman@... [acom-list] wrote:

> Mike - what fan are you getting for your 1000? Also curious to all ... is the fan mounted directly on top of the amp's fan, or is there a small stand-off post to mount to?

>

> Thanks - Jeff K7JF

>

6087. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-14 11:39:44 UTC
From: Mike Harris
Topic: 6079 Message: 6087

Yes quite so. I did a test a year or so ago at 100W incremental output
power levels, checking the temperature rise from a 50C starting point,
key down for one minute and two minutes the mid range of power levels
resulted in the highest temperature rise, peaking in the 300-600W range.

Regards,

Mike VP8NO

On 14/10/2014 07:54, Kees - pa7two pa7two@... [acom-list] wrote:
> Try a digi mode at around 350-400 Watt output level for that prolonged period of time...
Much worse temperature wise.
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!

6088. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-14 13:34:24 UTC
From: Bill Turner
Topic: 6079 Message: 6088

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Tue, 14 Oct 2014 08:39:44 -0300, Mike wrote:

>Yes quite so. I did a test a year or so ago at 100W incremental output
>power levels, checking the temperature rise from a 50C starting point,
>key down for one minute and two minutes the mid range of power levels
>resulted in the highest temperature rise, peaking in the 300-600W range.
>
>Regards,
>
>Mike VP8NO

REPLY:

Not surprising. When an amp is tuned for max output and efficiency at
a high power level and then the drive is reduced, you are actually
going from class AB mode into class A mode, depending on the amount of
drive. Class A is the least efficient mode and efficiency will
decrease.

73, Bill W6WRT

6089. Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-20 18:34:23 UTC
From: g3rce1@...
Topic: 6079 Message: 6089

Mike
are you using the ACOM 2000?
I have been occasionally running JT9 or JT65 with my ACOM 1000 with max output power of 500 watts
temperature goes to 60C over the 50 second tx time.
I removed my external fan (supplied by Vine UK) because I found the fan air noise to be annoying.
73
Rob G3RCE
Perhaps I should refit the external fan?

6090. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-20 21:45:13 UTC
From: Mike Harris
Topic: 6079 Message: 6090

Hi Rob,

ACOM 1000 here. Not fitted the fan yet, been chasing too much DX. From
my measurements the air temp will be higher at 500W than it is at 900W.
60C is cruising, I see that all the time running a pile up in RTTY for
an hour or so at 600W. My aim is to increase the cooling of the
PSU/control components.

Regards,

Mike VP8NO

On 20/10/2014 15:34, g3rce1@... [acom-list] wrote:
> Mike
> are you using the ACOM 2000?
> I have been occasionally running JT9 or JT65 with my ACOM 1000 with max output power of 500 watts
> temperature goes to 60C over the 50 second tx time.
> I removed my external fan (supplied by Vine UK) because I found the fan air noise to be annoying.
> 73
> Rob G3RCE
> Perhaps I should refit the external fan?
>

6091. RE: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-21 08:48:53 UTC
From: Kees - pa7two
Topic: 6079 Message: 6091

Correct, the Acom 1000 is temperature wise most happy at around 80% of maximum output power. At around only 400 - 500Watt RF output the temperature raises quickly.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@...m
Date: Mon, 20 Oct 2014 18:45:13 -0300
Subject: Re: [acom-list] Re: External fan

Hi Rob,

ACOM 1000 here. Not fitted the fan yet, been chasing too much DX. From

my measurements the air temp will be higher at 500W than it is at 900W.

60C is cruising, I see that all the time running a pile up in RTTY for

an hour or so at 600W. My aim is to increase the cooling of the

PSU/control components.

Regards,

Mike VP8NO

On 20/10/2014 15:34, g3rce1@googlemail.com [acom-list] wrote:

> Mike

> are you using the ACOM 2000?

> I have been occasionally running JT9 or JT65 with my ACOM 1000 with max output power of 500 watts

> temperature goes to 60C over the 50 second tx time.

> I removed my external fan (supplied by Vine UK) because I found the fan air noise to be annoying.

> 73

> Rob G3RCE

> Perhaps I should refit the external fan?

>

6092. RE: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-21 12:14:00 UTC
From: g3rce1@...
Topic: 6079 Message: 6092

Thanks Mike
yes you're correct
the 1000 runs cooler and is more efficient with higher powers out.
With digital modes like JT65 and JT9 it is most important to have zero alc for a clean transmission.
I've disconnected my external fan as there is too much wind noise!
73
Rob

6093. Acom 2000a Blower Speed?

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-26 15:22:18 UTC
From: Rich Hallman - N7TR
Topic: 6093 Message: 6093

I'm watching my amps here during CQWW SSB run up to 90-100 centigrade but not hearing them kick into high speed. Also have the AUX fan installed which doesn't seem to kick into higher speed either.

Ideas? Thoughts?

Thanks...Rich

Rich N7TR
ex KI3V, N3AMK, WB3JOV
www.n7tr.com<http://www.n7tr.com>
http://www.qrz.com/db/N7TR
Telnet: dxc.n7tr.com N7TR DXCluster

6094. RE: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-26 15:41:24 UTC
From: jeff.freedman@...
Topic: 6079 Message: 6094

Where are you guys getting your power to run the external fan? Prefer not having to take the cover off if at all possible.

Tnx and 73 - Jeff K7JF

6095. Re: [acom-list] Re: External fan

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-26 20:29:06 UTC
From: Bill Turner
Topic: 6079 Message: 6095

---------- ORIGINAL MESSAGE ----------(may be snipped)

On 26 Oct 2014 08:41:24 -0700, K7JF wrote:

>Where are you guys getting your power to run the external fan? Prefer not having to take the cover off if at all possible.
>
>Tnx and 73 - Jeff K7JF

REPLY:

On my 2000A the fan power comes from a pair of holes on a small PCB inside the unit. You do have to take the cover off and you have to remove the transformer too. You could of course, wire it to an external supply such as a wall transformer, also known as a wall wart. When installing the fan, make sure it blows air INTO the amp, mot vice versa. Murphy is watching.

One caution with doing it that way: The fan speed (i.e. voltage) MIGHT be controlled internally based on temperature. Without a schematic I can't tell. Might be wise to verify this before using a wall wart.

73, Bill W6WRT

6096. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-27 18:28:08 UTC
From: w1srd@...
Topic: 6037 Message: 6096

I had this happen for the first time during WW SSB this past weekend.
1 year old amp and new RCU.
Restarted fine, but a tad concerning -- and 3 minutes of downtime.
73,
Steve, W1SRD

6097. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-27 18:33:46 UTC
From: dalej
Topic: 6037 Message: 6097

Did you have a computer hooked up to it? Or what was the configuration?

Dale, k9vuj

On 27, Oct 2014, at 13:28, w1srd@... [acom-list] <acom-list@yahoogroups.com> wrote:

> I had this happen for the first time during WW SSB this past weekend.
> 1 year old amp and new RCU.
> Restarted fine, but a tad concerning -- and 3 minutes of downtime.
> 73,
> Steve, W1SRD
>
>

6098. ACOM 2000A and Elecraft K3

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-27 19:13:16 UTC
From: Bill Turner
Topic: 6098 Message: 6098

I think I have figured out the connection issues when using a K3 with an ACOM 2000A. I wrote up the following mini-tutorial to try to clarify what is, to me, a confusing situation.

Please read it and let me know if I have made any errors and whether you find it helpful.

If you find it helpful, feel free to copy and distribute any way you wish.

Thank you,

73, Bill W6WRT

++

When operating an ACOM 2000A with an Elecraft K3, there are two possible modes of frequency control. Each mode requires a different cable.

When a PC is NOT connected:

Use a cable like that shown in figure 7.6 of the ACOM 2000A manual. You should set the K3 AUTOINF menu option to "1". In this mode the 2000A will poll the K3 for band data and will change bands accordingly. The K3 will also send band data when you manually change bands on the K3.

When a PC IS connected:

Use the cable shown in figure 7.2 in the 2000A manual. You should set the K3 AUTOINF menu option to "nor". Note that this cable does NOT have the TXD wire going to the ACOM 2000A, but it does have the TXD wire running between the legs of the Y connector. This cable can be either a single cable terminating in two DB-9 connectors or it can be a single cable with a "Y" adaptor connected at the DB-9 end. In either case, it must be the electrical equivalent of figure 7.2. In this mode, the ACOM 2000A gets band data information ONLY from the logging program, not from the K3. If you close the logging program, the ACOM 2000A will NOT follow band changes from the K3. You can still do band changes by sending a "dit" as explained in the ACOM 2000A manual.

6099. RPON Remote

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-29 20:21:18 UTC
From: g3xfa@...
Topic: 6099 Message: 6099

I Have the RPON for the acom 20th a which ables you to switch amp on and off remotely.
I can switch the amp off with the software , but unable to switch it on. I am using windows 8.1 had to put a pcle card in computer for serial ports.
Has anybody any ideas or is using the RPON for the amp for remote switching.

g3xfa@btinternet.com

6100. Re: RPON Remote

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-30 11:08:40 UTC
From: Jay Terleski
Topic: 6099 Message: 6100

We have a customer who has told me that the Remote Rig device works fantastic.
Maybe others can verify.
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

6101. AW: [acom-list] Re: RPON Remote

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-30 13:03:56 UTC
From: Markus Schleutermann
Topic: 6099 Message: 6101

I can confirm that, the remoterig RC1216H is the only way to have a reliable and stable control over the ACOM2000, configure it once and never touch it again. Running 3 of them at remote locations and never had any troubles with them. They even give you a readout of all the voltages, temperatures and currents of the pa and you can switch the antennas, when using the Acom-Antenna switch. By far the best remote-control for the ACOM2000 you can find on the market.
And if you sell your ACOM one sad day and going qrp, you can use it as a controller for your antenna rotator or your stepIr-beam, expert or elecraft-amplifier .

73 de Mark, HB9AZT

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Donnerstag, 30. Oktober 2014 12:09
An: acom-list@yahoogroups.com
Betreff: [acom-list] Re: RPON Remote

We have a customer who has told me that the Remote Rig device works fantastic.
Maybe others can verify.
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

6102. Acom filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2014-10-30 19:53:36 UTC
From: martins160@...
Topic: 4861 Message: 6102

This weekend is the daylight savings time change.
Here is a list of things you need to do:

1. clean your ACOM air filter.
2. Replace your smoke detector batteries.
3. Time the minute hand on your watch to verify accuracy.

With the contest season upon us and you'll be running all knobs to the right,
it's important that your ACOM air filter is clean for maximum air flow and cooling.

Martin ka7gkn

6103. Re: [acom-list] ACOM 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-05 20:25:57 UTC
From: w1srd@...
Topic: 6037 Message: 6103

I have a computer connected to the RPON.
The serial port was not in use.
Ran the entire SS without a hitch.
73,
Steve, W1SRD

6104. Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 04:58:22 UTC
From: ea6nb@...
Topic: 6104 Message: 6104

Hello my old and trusty ACOM 2K failed this morning with the:

Acom 2000 Bias Too Low at Power ON ....-078V...083V...

I have tried 2 or 3 times more and this connected the Relay cable but is again the same fault.
My amp is an old one from 1990 still original tubes and about 2000 H running time.
Where can I get the email address of Stan in Bulgary?
73.
Jaime, EA6NB.

6105. Re: Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 07:41:30 UTC
From: ragnar otterstad
Topic: 6104 Message: 6105

I had the same and it turned out to be a tube problem. Replacing the tubes everything was fine.73 Rag LA5HE

6106. emailaddress

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 09:21:00 UTC
From: Frank Pletinck
Topic: 6106 Message: 6106

Hello,

Here is the adresse I use :

acom@...

73 Frank ON4AAC

6107. Re: Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 11:25:42 UTC
From: ea6nb@...
Topic: 6104 Message: 6107

Thanks Ragnar I think it is possible a fault tube but I have read it coud be a faulty capacitor in the Low Voltage board, I will awaite Stan's answer.
Jaime, EA6NB.

6108. Re: emailaddress

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 11:29:26 UTC
From: ea6nb@...
Topic: 6106 Message: 6108

Thanks Frank but only I can see acom@.....
I have sent an email to: acom@acom-bg.com.
73,
Jaime, EA6NB.

6109. Re: [acom-list] Re: Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 11:31:22 UTC
From: K2LS
Topic: 6104 Message: 6109

On 11/6/2014 6:25 AM, ea6nb@... [acom-list] wrote:
>
> Thanks Ragnar I think it is possible a fault tube but I have read it
> coud be a faulty capacitor in the Low Voltage board, I will awaite
> Stan's answer.
> Jaime, EA6NB.
>
>
Jaime,

I had the same problem. It was a bad tube. The cap in the bias supply
was changed
as a precaution.

73, Larry

DxPacketcluster DXC.K2LS.COM Spots from NA zones 1-8 only.

6110. RE: [acom-list] Re: emailaddress

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-06 12:57:43 UTC
From: Frank Pletinck
Topic: 6106 Message: 6110

The emailaddresse is: acom@...
73 Frank on4aac

-----Oorspronkelijk bericht-----
Van: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Verzonden: donderdag 6 november 2014 12:29
Aan: acom-list@yahoogroups.com
Onderwerp: [acom-list] Re: emailaddress

Thanks Frank but only I can see acom@.....
I have sent an email to: acom@....
73,
Jaime, EA6NB.

6111. Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-07 20:38:21 UTC
From: VU3UPZ
Topic: 6111 Message: 6111

Dear Friends,

I am looking for the cable diagram for TS590S to ACOM 1000, does any one have any hint how to make it? please share.

Best 73s de VU3UPZ/A75GT

--
Vikas Vasudevan

6112. Re: [acom-list] Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-07 21:04:53 UTC
From: Skip Guenter
Topic: 6111 Message: 6112

What I need some special cable? Haven't un-boxed the ACOM yet was
hoping to get to it today.

What is the function of this cable? I assume we're not talking about
Keying cable here.

Skip, K5SRG

On 11/07/2014 02:38 PM, VU3UPZ vu3upz@... [acom-list] wrote:
> Dear Friends,
>
> I am looking for the cable diagram for TS590S to ACOM 1000, does any
> one have any hint how to make it? please share.
>
> Best 73s de VU3UPZ/A75GT
>
> --
> Vikas Vasudevan
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6113. Re: [acom-list] Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-07 21:16:31 UTC
From: Skip Guenter
Topic: 6111 Message: 6113

If it's the keying cable?? Here's the simplest I found:

http://www.ebay.com/itm/Amp-Relay-Cable-For-The-Kenwood-TS-590S-WITHOUT-ALC-Line-/190853078428?pt=US_Radio_Comm_Coaxial_Cables_Connectors&hash=item2c6fbadd9c

On 11/07/2014 03:04 PM, Skip Guenter sguenter@... [acom-list]
wrote:
>
> What I need some special cable? Haven't un-boxed the ACOM yet was
> hoping to get to it today.
>
> What is the function of this cable? I assume we're not talking about
> Keying cable here.
>
> Skip, K5SRG
>
> On 11/07/2014 02:38 PM, VU3UPZ vu3upz@... [acom-list] wrote:
>> Dear Friends,
>>
>> I am looking for the cable diagram for TS590S to ACOM 1000, does any
>> one have any hint how to make it? please share.
>>
>> Best 73s de VU3UPZ/A75GT
>>
>> --
>> Vikas Vasudevan
>>
>
> --
> S. R. 'Skip' Guenter, K5SRG
> /3905ccn 40m SSB Late Coord
> /
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6114. ACOM600S Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-08 15:37:46 UTC
From: James Thresher
Topic: 6114 Message: 6114

Does anyone have a copy of the Technical CD for the ACOM600S? Specifically the RS232 interface details and command protocol

I’m working on a major new version of ACOM Director and I’d like to add support for the 600S

73 James M0YOM

6115. Re: Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-08 18:43:38 UTC
From: fredch@...
Topic: 6111 Message: 6115

Dear Vikas

Greetings from Dubai

For the TS590 you need a 7 pin DIN plug (manual page 66)

For the Acom 1000 you need a phono plug for the "key on" jack on the back.

Connect pin 4 of the DIN to the "live" of the phono and the screen of the phono to pin 2 pf the DIN

Best to use some sort of screened cable, audio cable is OK or cheap coax (RG59) if you cant find audio cable

Do you have Carrefour in Qatar? Here I can buy a very cheap 3 way screened phono to phono lead (red, white, yellow) used to connect TV to DVD player etc

Split the cable if the 3 cables are moulded together and use one. Cut off one end and solder to the DIN

73 Fred
A65BD

---In acom-list@yahoogroups.com, <vu3upz@...> wrote :

Dear Friends,

I am looking for the cable diagram for TS590S to ACOM 1000, does any one have any hint how to make it? please share.

Best 73s de VU3UPZ/A75GT

--
Vikas Vasudevan

6116. Re: Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-08 20:29:14 UTC
From: Jim Howard
Topic: 6111 Message: 6116

That eBay cable should work fine. The short version of your directions:

Hook up the 590’s antenna connector to the ACOM RF In and your antenna to the ACOM RF Out. I’m assuming your antenna is less than 3:1 SWR or you will need a tuner.

Hook up the keying cable to the 590 and the ACOM Key In.

Set menu item 53 on the 590 to 2.

The longer version is at http://homepage.ntlworld.com/wadei/ts-590s.htm <http://homepage.ntlworld.com/wadei/ts-590s.htm> and go to Common, Amplifiers, ACOM 1000.

I like my ACOM 1000 very mucn and I think you will enjoy yours.

73,

Jim, W4SDJ

6117. Re: [acom-list] Re: Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-08 21:07:43 UTC
From: Skip Guenter
Topic: 6111 Message: 6117

Thanx Jim,

I'll start plumbing it in tomorrow. I'll have to read up on menu 53, currently set = 3 for AL-80A and LK500 amps but one of those is going over to be dedicated to the ol' TS-830S (Need the ALC feedback for it) on a separate leg before the antenna switch. UPDATE: Just read the menu 53 info... makes sense as I'd assume the A-1000 can switch faster than either of the ol' gals.

The dipole is good on phone w/o tuner. The hex is good on digital w/o tuner but both legs will have a tuner plumbed in.

Also swapping in a 'B43' 590 and sending my 'B35' off to Kenwood in a couple weeks. Might sell off the B35 and if timing works out have it sent by Kenwood straight to new owner.

Thanx for clarifying... forgot about the common amps section.

73, Skip, K5SRG

On 11/08/2014 02:29 PM, Jim Howard howardje@... [acom-list] wrote:
>
> That eBay cable should work fine. The short version of your directions:
>
>
> Hook up the 590’s antenna connector to the ACOM RF In and your antenna
> to the ACOM RF Out. I’m assuming your antenna is less than 3:1 SWR or
> you will need a tuner.
>
> Hook up the keying cable to the 590 and the ACOM Key In.
>
> Set menu item 53 on the 590 to 2.
>
>
>
> The longer version is at
> http://homepage.ntlworld.com/wadei/ts-590s.htm and go to Common,
> Amplifiers, ACOM 1000.
>
> I like my ACOM 1000 very mucn and I think you will enjoy yours.
>
>
> 73,
>
> Jim, W4SDJ

6118. Re: [acom-list] Acom 2000A Cabinet screws

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-09 22:45:17 UTC
From: K0DAN
Topic: 5928 Message: 6118

Can someone point me to a source for the screws used to secure the top cover on the Acom 2000A?

These are an unusual black metric Phillips head screw with a washer-like collar on the screw head.

I have lost, stripped, or broken a few of them over the years and would like to stock up on some original replacements.

Thanks and 73

dan
k0dan

6119. Re: [acom-list] Acom 2000A Cabinet screws

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 02:39:08 UTC
From: Bill Turner
Topic: 5928 Message: 6119

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Sun, 9 Nov 2014 16:45:17 -0600, you wrote:

>Can someone point me to a source for the screws used to secure the top cover
>on the Acom 2000A?
>
>These are an unusual black metric Phillips head screw with a washer-like
>collar on the screw head.
>
>I have lost, stripped, or broken a few of them over the years and would like
>to stock up on some original replacements.
>
>Thanks and 73
>
>dan
>k0dan

REPLY:

If you can't find the exact factory replacements, try McMaster-Carr.

http://www.mcmaster.com/#

They have an incredible variety of screws including black oxide.

73, Bill W6WRT

6120. RE: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 04:43:24 UTC
From: Jaime Perez-Ullivarri
Topic: 4088 Message: 6120

Thanks Jay,

I have measured JP3:1 voltage and is low -98V so possible a capacitor o other component at the Low Voltage Board but it is not easy to get at this board will need to take away the transformer and other two boards. I am awaiting instructions from Val from Acom. It will take long to get one of this 47mF capacitors here.

I will let you know what I find.

73.

Jaime, EA6NB.

De: Sam Leslie - W4PK [mailto:w4pk@...]
Enviado el: domingo, 09 de noviembre de 2014 23:49
Para: ea6nb@...
Asunto: FW: [acom-list] 2000A Low G1 Bias failure

Hello Jaime

I had a similar problem three years ago. Mine turned out to be a bad C2 capacitor, as discussed the my e-mail correspondence with Array Solutions, the U.S. distributor. I just tacked a new capacitor at JP3:1 to ground as shown in the attached photo. I have attached the photo that they sent to me. Just make sure that the "+" terminal of the capacitor goes to ground. My amplifier has worked flawlessly since.

Sam Leslie

w4pk@...

From: Jay Terleski [mailto:jayt@...]
Sent: Friday, March 18, 2011 10:08 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A Low G1 Bias failure

Sam,
I sent your request for help to ACOM in Bulgaria.
Here is their response:

-110 V for BIAS is low, it should be between -120 -130 V. This voltage can be measured on
JP3:1 board interface and with only mains switch turned on. It is possible that capacitor
C2-47mF/200 V on board LV has dried up. It is necessary for test to connect a capacitor
47mF/200 V between JP3:1 board interface (see photo); (-) must be on JP3:1

and (+) on GND.
It is good to check for good working order all elements participating in making up this voltage,
See LOW VOLTAGE SUPPLY Sht.1 of 4.

If all elements mentioned above are OK and the tubes are in good working order then you have to
Check the elements of the circuit for regulation if the initial plate current of the tubes. See
INTERFACE Sht. 4 of 9.
--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus
<http://www.avast.com/> protection is active.

6121. Re: Simplest Cable Diagram for Kenwood TS590S to ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 06:08:28 UTC
From: VU3UPZ
Topic: 6111 Message: 6121

Dear All,

Many thanks for your kind reply.

73s de A75GT

--
Vikas Vasudevan
Doha - The State of Qatar
http://facebook.com/vu3upz
http://www.qrz.com/db/vu3upz

6122. Re: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 12:06:43 UTC
From: Hal Kennedy
Topic: 4088 Message: 6122

I have seen this many times. It has always been a tube. Internal DC
grid resistance is a very common failure mode for the Svet 4CX800A. I
would check the tubes by replacement before I headed to the LV board.

73
Hal N4GG

On 11/9/2014 11:43 PM, 'Jaime Perez-Ullivarri' ea6nb@...
[acom-list] wrote:
>
> Thanks Jay,
>
> I have measured JP3:1 voltage and is low -98V so possible a capacitor
> o other component at the Low Voltage Board but it is not easy to get
> at this board will need to take away the transformer and other two
> boards. I am awaiting instructions from Val from Acom. It will take
> long to get one of this 47mF capacitors here.
>
> I will let you know what I find.
>
> 73.
>
> Jaime, EA6NB.
>
> *De:*Sam Leslie - W4PK [mailto:w4pk@...]
> *Enviado el:* domingo, 09 de noviembre de 2014 23:49
> *Para:* ea6nb@...
> *Asunto:* FW: [acom-list] 2000A Low G1 Bias failure
>
> Hello Jaime
>
> I had a similar problem three years ago. Mine turned out to be a bad
> C2 capacitor, as discussed the my e-mail correspondence with Array
> Solutions, the U.S. distributor. I just tacked a new capacitor at
> JP3:1 to ground as shown in the attached photo. I have attached the
> photo that they sent to me. Just make sure that the "+" terminal of
> the capacitor goes to ground. My amplifier has worked flawlessly since.
>
> */Sam Leslie/*
>
> */w4pk@... <mailto:w4pk@...>/*
>
> *From:*Jay Terleski [mailto:jayt@...]
> *Sent:* Friday, March 18, 2011 10:08 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>

> *Subject:* [acom-list] 2000A Low G1 Bias failure
>
> Sam,
> I sent your request for help to ACOM in Bulgaria.
> Here is their response:
>
> -110 V for BIAS is low, it should be between -120 -130 V. This voltage can
> be measured on
> JP3:1 board interface and with only mains switch turned on. It is possible
> that capacitor
> C2-47mF/200 V on board LV has dried up. It is necessary for test to
> connect
> a capacitor
> 47mF/200 V between JP3:1 board interface (see photo); (-) must be on
> JP3:1
> and (+) on GND.
> It is good to check for good working order all elements participating in
> making up this voltage,
> See LOW VOLTAGE SUPPLY Sht.1 of 4.
>
> If all elements mentioned above are OK and the tubes are in good working
> order then you have to
> Check the elements of the circuit for regulation if the initial plate
> current of the tubes. See
> INTERFACE Sht. 4 of 9.
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
> [Non-text portions of this message have been removed]
>
> ---
>
> <http://www.avast.com/>
>
>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>

6123. RE: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 12:57:46 UTC
From: Glenn O'Donnell, K3PP
Topic: 4088 Message: 6123

Buenos dias, Jaime!

If it is the capacitor, you will probably know as soon as you look at it. I had this problem several years ago. The capacitor was burned badly.

If you need a replacement capacitor, I have one and I will gladly send it to you - no cost to you. I bought extras, so I am happy to help my friends who need them.

VY 73 de Glenn K3PP

> On November 9, 2014 at 11:43 PM "'Jaime Perez-Ullivarri' ea6nb@...
> [acom-list]" <acom-list@yahoogroups.com> wrote:
>
>
>
>
>
> Thanks Jay,
>
> I have measured JP3:1 voltage and is low -98V so possible a capacitor o other
> component at the Low Voltage Board but it is not easy to get at this board
> will need to take away the transformer and other two boards. I am awaiting
> instructions from Val from Acom. It will take long to get one of this 47mF
> capacitors here.
>
> I will let you know what I find.
>
> 73.
>
> Jaime, EA6NB.
>
>
>
> De: Sam Leslie - W4PK [mailto:w4pk@arrl.net]
> Enviado el: domingo, 09 de noviembre de 2014 23:49
> Para: ea6nb@wanadoo.es
> Asunto: FW: [acom-list] 2000A Low G1 Bias failure
>
>
>
> Hello Jaime
>
>
>
> I had a similar problem three years ago. Mine turned out to be a bad C2

> capacitor, as discussed the my e-mail correspondence with Array Solutions, the
> U.S. distributor. I just tacked a new capacitor at JP3:1 to ground as shown
> in the attached photo. I have attached the photo that they sent to me. Just
> make sure that the “+” terminal of the capacitor goes to ground. My amplifier
> has worked flawlessly since.
>
>
>
> Sam Leslie
>
> w4pk@... <mailto:w4pk@...>
>
>
>
>
>
>
>
> From: Jay Terleski [mailto:jayt@...]
> Sent: Friday, March 18, 2011 10:08 AM
> To: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> Subject: [acom-list] 2000A Low G1 Bias failure
>
>
>
>
>
>
> Sam,
> I sent your request for help to ACOM in Bulgaria.
> Here is their response:
>
> -110 V for BIAS is low, it should be between -120 -130 V. This voltage can
> be measured on
> JP3:1 board interface and with only mains switch turned on. It is possible
> that capacitor
> C2-47mF/200 V on board LV has dried up. It is necessary for test to connect
> a capacitor
> 47mF/200 V between JP3:1 board interface (see photo); (-) must be on JP3:1
> and (+) on GND.
> It is good to check for good working order all elements participating in
> making up this voltage,
> See LOW VOLTAGE SUPPLY Sht.1 of 4.
>
> If all elements mentioned above are OK and the tubes are in good working
> order then you have to
> Check the elements of the circuit for regulation if the initial plate
> current of the tubes. See
> INTERFACE Sht. 4 of 9.
> --
> Jay Terleski

> Array Solutions
> 214 954 7140
>
> [Non-text portions of this message have been removed]
>
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>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
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>

>

6124. RE: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 14:58:28 UTC
From: N2TK, Tony
Topic: 4088 Message: 6124

Jaime,

I am trying to find the procedure where you open up the front panel, remove a plug and test for the Bias Voltage with the tubes installed. This will tell you if it is the cap or a tube.

If it is the cap and this is an older 2000A you may want to consider replacing the other electrolytic caps too. I had a few caps there were marginal after several years. Not expensive at places like Digi-Key.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, November 09, 2014 11:43 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 2000A Low G1 Bias failure

Thanks Jay,

I have measured JP3:1 voltage and is low -98V so possible a capacitor o other component at the Low Voltage Board but it is not easy to get at this board will need to take away the transformer and other two boards. I am awaiting instructions from Val from Acom. It will take long to get one of this 47mF capacitors here.

I will let you know what I find.

73.

Jaime, EA6NB.

De: Sam Leslie - W4PK [mailto:w4pk@...]
Enviado el: domingo, 09 de noviembre de 2014 23:49
Para: ea6nb@...
Asunto: FW: [acom-list] 2000A Low G1 Bias failure

Hello Jaime

I had a similar problem three years ago. Mine turned out to be a bad C2 capacitor, as discussed the my e-mail correspondence with Array Solutions, the U.S. distributor. I just tacked a new capacitor at JP3:1 to ground as shown in the attached photo. I have attached the photo that they sent to me. Just make sure that the "+" terminal of the capacitor goes to ground. My amplifier has worked flawlessly since.

Sam Leslie

w4pk@...

From: Jay Terleski [mailto:jayt@...]
Sent: Friday, March 18, 2011 10:08 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 2000A Low G1 Bias failure

Sam,
I sent your request for help to ACOM in Bulgaria.
Here is their response:

-110 V for BIAS is low, it should be between -120 -130 V. This voltage can be measured on
JP3:1 board interface and with only mains switch turned on. It is possible that capacitor
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47mF/200 V between JP3:1 board interface (see photo); (-) must be on JP3:1 and (+) on GND.
It is good to check for good working order all elements participating in making up this voltage,
See LOW VOLTAGE SUPPLY Sht.1 of 4.

If all elements mentioned above are OK and the tubes are in good working order then you have to
Check the elements of the circuit for regulation if the initial plate current of the tubes. See
INTERFACE Sht. 4 of 9.
--
Jay Terleski
Array Solutions
214 954 7140

[Non-text portions of this message have been removed]

<http://www.avast.com/> Image removed by sender.

This email is free from viruses and malware because avast! Antivirus
<http://www.avast.com/> protection is active.

[Non-text portions of this message have been removed]

6125. RE: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 15:46:14 UTC
From: ea6nb@...
Topic: 4088 Message: 6125

Thanks Glen for your offer, I have to look at the local electronics shop, I think they have capacitors 47uF/300V only but I have to look at them size, etc.
The fault I have is not "Low G1 Bias Failure" it is "Bias too low at startup".
Thanks Tony but Val sent me all info, I have measured the voltage at JP3-1 at the front panel and is low 98V, the capacitors may be dry. I have to take out the LV board not and easy job and test them.
I will let you know then. My Acom is an old one from 1992 but only 2000h use.

I have to find the time and mood to repair it, my dear wife just died from a brain stroke at 60y old 7 days ago after terrible month at hospital and I am still shock.
73.
Jaime, EA6NB

6126. Re: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-10 16:38:35 UTC
From: Fernando EC1CT
Topic: 4088 Message: 6126

Jaime,
I´m also thinking in a tube failure. I replaced both tubes on mine with over 2.300 hours on it. I got the same message ¨Bias too low at startup¨...Firstly, it happened one or three times but
I restarted the amplifier and everything was back to normal. The fourth time it did occur, the amplfier shut down automatically and wasn´t able to put it back on...
BTW: I´m sorry about your wife´s death....

En español:
Jaime,
seguro que son las válvulas como te han dicho. A mi me ocurrió lo mismo con unas 2.300 horas y me salía el mismo mensaje que a ti. Al principio me pasó una o tres veces, lo reseteaba y comenzaba la secuencia de arranque. Todo perfecto. Pero a la cuarta ya no volvió a arrancar más...Cambié las válvulas y todo ok hasta hoy (toco madera).
P.D: Siento mucho lo de tu esposa.

Fernando EC1CT // KD0IGJ
E-Mail: ec1ct@...
KR DX Group

From: ea6nb@... [acom-list]
Sent: Monday, November 10, 2014 4:46 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 2000A Low G1 Bias failure

Thanks Glen for your offer, I have to look at the local electronics shop, I think they have capacitors 47uF/300V only but I have to look at them size, etc.
The fault I have is not "Low G1 Bias Failure" it is "Bias too low at startup".
Thanks Tony but Val sent me all info, I have measured the voltage at JP3-1 at the front panel and is low 98V, the capacitors may be dry. I have to take out the LV board not and easy job and test them.
I will let you know then. My Acom is an old one from 1992 but only 2000h use.

I have to find the time and mood to repair it, my dear wife just died from a brain stroke at 60y old 7 days ago after terrible month at hospital and I am still shock.
73.
Jaime, EA6NB

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2015.0.5315 / Base de datos de virus: 4189/8548 - Fecha de publicación: 11/10/14

6127. Re: [acom-list] 2000A Low G1 Bias failure

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-11 10:51:24 UTC
From: ea6nb@...
Topic: 4088 Message: 6127

Hello Fernando,
I have replace both tubes by new ones (before getting to the LV board) but unfortunately I am still getting
"Bias too low at startup -80V".
73,
Jaime.

6128. Re: Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-11 13:15:01 UTC
From: ea6nb@...
Topic: 6104 Message: 6128

Well after replacing the tubes for new ones still the same fault "Bias Too Low at Power ON...-80V"
I have taken away the HV Transformer and the other two boards HV and Filter board.
Just looking at the capacitor C2 looks normal not any bubbles on it, to check it well it has to be unsoldered but first I have to find any 47uF to substitute.
I don't know if I would be able to put it all back again, this LV board it is not an easy job. Maybe at the end I will have to send it to Acom Bulgary to repair.
73,
Jaime, EA6NB.

6129. Re: Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-12 19:11:16 UTC
From: ea6nb@...
Topic: 6104 Message: 6129

With the help of Val from Acom now the amp is OK, It was a bad capacitor, C2 in the Low Voltage Board, it was a hard job to take this board apart, good about Acom they use most components easy to find, I've got the cap yesterday (under a heavy rain) in the local TV-Radio parts shop at Palma, 47uF/350V.
I have put back my old tubes (2000h use in 15 years most in stby) before I use my old new spare tubes so I know I have a new pair when needed.
Thanks to all for the help.
73,
Jaime, EA6NB

6130. Acom 1000 issue when new tube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-13 19:22:16 UTC
From: E.P
Topic: 6130 Message: 6130

hi
replace new tube
Trying to tune it, the ATT light comes on and the automatic attenuator operates. I centre the TRI, peak the output and then I go back to standby. I transmit again without touching the controls. The TRI is not at the centre any more, but goes to the extreme right of the display. Trying to centre the TRI with the load control results in the ATT coming on again. Further attempts to tune the amplifier result in the same behaviour and it can never be tuned normally.

I have tried another spare tube, rebiasing the amplifier, and also tried the original amplfier tube, and each time there is exactly this odd behaviour.
Do you have any suggestions what may be wrong please ?
thank you
Elan

6131. RE: [acom-list] Re: Acom 2000 Bias Too Low at Power ON

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-13 22:59:55 UTC
From: N2TK, Tony
Topic: 6104 Message: 6131

Good job Jaime. Val has always been so helpful.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, November 12, 2014 2:11 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000 Bias Too Low at Power ON

With the help of Val from Acom now the amp is OK, It was a bad capacitor, C2 in the Low Voltage Board, it was a hard job to take this board apart, good about Acom they use most components easy to find, I've got the cap yesterday (under a heavy rain) in the local TV-Radio parts shop at Palma, 47uF/350V.

I have put back my old tubes (2000h use in 15 years most in stby) before I use my old new spare tubes so I know I have a new pair when needed.

Thanks to all for the help.

73,

Jaime, EA6NB

[Non-text portions of this message have been removed]

6132. Re: Acom 1000 issue when new tube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-14 16:27:53 UTC
From: on4ct@...
Topic: 6130 Message: 6132

hallo
did you set the idling current after inserting the new tube ?
After repalcing a tube you need to readjust the idling current.

Dirk
on4ct

6133. Re: [acom-list] Re: Acom 1000 issue when new tube

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-14 16:30:37 UTC
From: E.P
Topic: 6130 Message: 6133

hi
all sorted now was operator error
all good
73 dirk

From: "on4ct@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Friday, 14 November 2014, 16:27
Subject: [acom-list] Re: Acom 1000 issue when new tube

hallo
did you set the idling current after inserting the new tube ?
After repalcing a tube you need to readjust the idling current.

Dirk
on4ct

6134. Re:a2940 2

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-20 09:40:21 UTC
From: rask1553
Topic: 6134 Message: 6134

http://brokerline.co.il/czkrunn/jbnomudiydslijncmowvoluylojoloxgwdq.jyyshjqwlhhqiytcsrrnnafxewqp

rask1553@...

6135. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-27 07:52:25 UTC
From: Skip Guenter
Topic: 5970 Message: 6135

My Acom 1000 has been running daily now, a few hours a day, for 3 or 4 weeks now. This includes some time being Net Control on a couple 20m RTTY nets that really runs an amp hard.

It's been flawless and has balked when it should have (antenna issue, high reflected) and has just run when it should have. Thanks to everyone who helped me with all my questions prior to taking the ACOM plunge. I'm a VERY happy camper.

Now a new line of questions...

I've never had it WARN or kick off due to excess temps but does anyone have any guidelines on what the MAX Exhaust Air temp should be before I hurt stuff?

Running a 20m RTTY WAS net last weekend and on one long script being sent I hit 201F. This was higher than I've seen before and WAY higher than it ever gets on SSB. I do not have the optional fan but if I'm gonna keep running these RTTY nets then I probably should pick one up.

Is there some temp of something where it kicks a warning or faults to save itself from me?

On 08/08/2014 08:54 PM, Skip Guenter wrote:
> Dean, Kees, et al.,
>
> I'm about 91.321784% convinced the A1000 is the best choice for me.
> However before I push myself to declare this a decision made...

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6136. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-27 16:13:09 UTC
From: on4ct@...
Topic: 5970 Message: 6136

Skip

From the protection parameters of the acom1000
at 266 F warning message on screen
302 F from transmitting to stand by
329 F shut down

In rtty a gu74b tube runs happy at 750 W, other parts in the amp will be happy to such as the transformer.
the optional extra fan is more an extra cooling for the power supply section than for the tube.

73
dirk
on4ct

6137. Re: [acom-list] Help with understanding ACOM

Yahoo group: acom-list (2010 — 2016)
Date: 2014-11-27 17:57:05 UTC
From: Skip Guenter
Topic: 5970 Message: 6137

Yes, thanx much. DJ31IW sent me a text file with all the protection
limit info.

Seems 400w and 201F Exhaust Air temp is trivial.

On 11/27/2014 10:13 AM, on4ct@... [acom-list] wrote:
>
> Skip
>
> From the protection parameters of the acom1000
> at 266 F warning message on screen
> 302 F from transmitting to stand by
> 329 F shut down
>
> In rtty a gu74b tube runs happy at 750 W, other parts in the amp will
> be happy to such as the transformer.
> the optional extra fan is more an extra cooling for the power supply
> section than for the tube.
>
> 73
> dirk
> on4ct
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6138. Spare wafer for band switch

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-01 21:15:50 UTC
From: makidoja@...
Topic: 6138 Message: 6138

Hi

My Acom 1000 was miss switched on the band switch and it was set between 80m and 160m then power applied to tune, it has taken out the wiper on the rear most wafer .. the wafer that switches additional capacitance for the lower bands.

Is this wafer available .. OR are the contacts and wiper available as parts ???

the ceramics are all ok

Jim M0CKE

6139. Re: Spare wafer for band switch

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 16:13:21 UTC
From: gw3wcv@...
Topic: 6138 Message: 6139

Hi Jim, I'm sure Acom will provide you with a new wafer, send them an email and ask. I have always found them extremely helpful.
Good luck with the swap-out.
Cheers, Dave
Email: acom@acom-bg.com

6140. Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 19:44:59 UTC
From: Walt
Topic: 6140 Message: 6140

Howdy,

Let me introduce myself. My name is Walt and my call is K2WK. I'm an avid contester, dx'er and have been licensed since '66. Anyone remember CD parties? That's how old I am :-) I'm new to the group and I'd like to say hello to y'all. I just received an Acom 2000a day before last and would like to pick your collective minds about some issues that have developed.

If any group member who owns an Acom 2000a might be able to help me I'd greatly appreciate it. As a novice with regards this fine amp, I have a number (not a lot) of fundamental questions. Your time, help and advice would be greatly appreciated and I'll name you in my will :-)

I am seeing a progressively worse SWR on the input to the amp as the operating frequency goes higher. Let me explain: on 1.8 MHz , 3.5 MHz & 7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced this problem? This is my second new 2000a (the other one may have been damaged in shipping) had the exact same problem. Bad production run? A broken 50 ohm swamping resistor? The latter was suggested by the vendor. Not sure what's going on, and thought I'd ask the group. Funny, but this is now starting to look like a pattern. Any advice?

73 de Walt - K2WK
Gordonsville, Virginia

6141. Re: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:01:09 UTC
From: Brian Smithson
Topic: 6140 Message: 6141

Do you have an antenna analyzer you can connect to the input of the amp?
Let's get the radio out of the picture and see if an independent device
measures the same SWR.

I had a 2000A for a few years back in 2000 and loved it - very sorry I sold
it, but had to for financial reasons.

73

-Brian n8wrl

On Wed, Dec 3, 2014 at 2:44 PM, 'Walt' k2waltk@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
>
>
> Howdy,
>
>
>
> Let me introduce myself. My name is Walt and my call is K2WK. I'm an
> avid contester, dx'er and have been licensed since '66. Anyone remember
> CD parties? That's how old I am J I'm new to the group and I'd like to
> say hello to y'all. I just received an Acom 2000a day before last and
> would like to pick your collective minds about some issues that have
> developed.
>
>
>
> If any group member who owns an Acom 2000a might be able to help me I'd
> greatly appreciate it. As a novice with regards this fine amp, I have a
> number (not a lot) of fundamental questions. Your time, help and advice
> would be greatly appreciated and I'll name you in my will J
>
>
>
> I am seeing a progressively worse SWR on the input to the amp as the
> operating frequency goes higher. Let me explain: on 1.8 MHz , 3.5 MHz &
> 7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz
> the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced
> this problem? This is my second new 2000a (the other one may have been
> damaged in shipping) had the exact same problem. Bad production run? A
> broken 50 ohm swamping resistor? The latter was suggested by the vendor.
> Not sure what's going on, and thought I'd ask the group. Funny, but

> this is now starting to look like a pattern. Any advice?
>
>
>
> 73 de Walt - K2WK
>
> Gordonsville, Virginia
>
>
>
>
>

6142. RE: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:05:11 UTC
From: Bill Hider
Topic: 6140 Message: 6142

Hey Walt - I have two of these units and I wish you had mentioned it when we had a quick eye-ball at the PVRC dinner on Monday!

Send me an email & we'll communicate our phone numbers & I'll be glad to chat. I've been doing much analysis of the type of issue you are describing/

My email is on QRZ.com

73,

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, December 03, 2014 2:45 PM
To: Acom-List
Subject: [acom-list] Acom 2000a: High Input SWR

Howdy,

Let me introduce myself. My name is Walt and my call is K2WK. I'm an avid contester, dx'er and have been licensed since '66. Anyone remember CD parties? That's how old I am J I'm new to the group and I'd like to say hello to y'all. I just received an Acom 2000a day before last and would like to pick your collective minds about some issues that have developed.

If any group member who owns an Acom 2000a might be able to help me I'd greatly appreciate it. As a novice with regards this fine amp, I have a number (not a lot) of fundamental questions. Your time, help and advice would be greatly appreciated and I'll name you in my will J

I am seeing a progressively worse SWR on the input to the amp as the operating frequency goes higher. Let me explain: on 1.8 MHz , 3.5 MHz & 7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced this problem? This is my second new 2000a (the other one may have been damaged in shipping) had the exact same problem. Bad production run? A broken 50 ohm swamping resistor? The latter was suggested by the vendor. Not sure what's going on, and thought I'd ask the group. Funny, but this is now starting to look like a pattern. Any advice?

73 de Walt - K2WK

Gordonsville, Virginia

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8675 - Release Date: 12/03/14

6143. RE: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:20:24 UTC
From: Walt
Topic: 6140 Message: 6143

Hi Brian,

Thanx for the almost instantaneous reply. I'm going to change the length of the coax between the rig (Pro III) and the amp. If I get the same results I'll put the RF analyst on it as you suggest. That may just tell us what's going on. I'll keep you up to date, especially if I find a solution.

73 de Walt - K2WK

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, December 03, 2014 3:01 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000a: High Input SWR

Do you have an antenna analyzer you can connect to the input of the amp? Let's get the radio out of the picture and see if an independent device measures the same SWR.

I had a 2000A for a few years back in 2000 and loved it - very sorry I sold it, but had to for financial reasons.

73

-Brian n8wrl

On Wed, Dec 3, 2014 at 2:44 PM, 'Walt' k2waltk@... [acom-list] <acom-list@yahoogroups.com> wrote:

Howdy,

Let me introduce myself. My name is Walt and my call is K2WK. I'm an avid contester, dx'er and have been licensed since '66. Anyone remember CD parties? That's how old I am :-) I'm new to the group and I'd like to say hello to y'all. I just received an Acom 2000a day before last and would like to pick your collective minds about some issues that have developed.

If any group member who owns an Acom 2000a might be able to help me I'd greatly appreciate it. As a novice with regards this fine amp, I have a number (not a lot) of fundamental questions. Your time, help and advice would be greatly appreciated and I'll name you in my will :-)

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in shipping) had the exact same problem. Bad production run? A broken 50 ohm swamping resistor? The latter was suggested by the vendor. Not sure what's going on, and thought I'd ask the group. Funny, but this is now starting to look like a pattern. Any advice?

73 de Walt - K2WK
Gordonsville, Virginia

6144. RE: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:20:24 UTC
From: Walt
Topic: 6140 Message: 6144

Hey Bill,

Thanx for the almost instantaneous reply. Yes, it was good to see you at the dinner, just wish I had sat by you. It looked like you were quite busy with treasurer stuff :-)

I'm going to change the length of the coax from the rig (Pro III) to the amp. I remember it was critical on the 87a, had to be 10', I think. This is truly weird. One guy suggested I use an RF analyst to see if I get comparable results. I believe my coaxial dynamics wattmeter.

I'll give you a jingle this evening and I can fill you in on the details.

73 de Walt - K2WK

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, December 03, 2014 3:05 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 2000a: High Input SWR

Hey Walt - I have two of these units and I wish you had mentioned it when we had a quick eye-ball at the PVRC dinner on Monday!

Send me an email & we'll communicate our phone numbers & I'll be glad to chat. I've been doing much analysis of the type of issue you are describing/

My email is on QRZ.com

73,

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, December 03, 2014 2:45 PM
To: Acom-List
Subject: [acom-list] Acom 2000a: High Input SWR

Howdy,

Let me introduce myself. My name is Walt and my call is K2WK. I'm an avid contester, dx'er and have been licensed since '66. Anyone remember CD parties? That's how old I am :-) I'm new to the group and I'd like to say hello to y'all. I just received an Acom 2000a day before last and would like to pick your collective minds about some issues that have developed.

If any group member who owns an Acom 2000a might be able to help me I'd greatly appreciate it. As a novice with regards this fine amp, I have a number (not a lot) of fundamental questions. Your time, help and advice would be greatly appreciated and I'll name you in my will :-)

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73 de Walt - K2WK
Gordonsville, Virginia

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8675 - Release Date: 12/03/14

6145. Re: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:41:25 UTC
From: <k2qmf@...>
Topic: 6140 Message: 6145

Hello Walt,

I have had my 2000A for over 10 years.
The input SWR is flat on all bands!!!
Good Luck in your quest!!

73,
Ted K2QMF

On Wed, 3 Dec 2014 14:44:59 -0500 "'Walt' k2waltk@... [acom-list]"
<acom-list@yahoogroups.com> writes:

Howdy,

Let me introduce myself. My name is Walt and my call is K2WK. I'm an avid contester, dx'er and have been licensed since '66. Anyone remember CD parties? That's how old I am J I'm new to the group and I'd like to say hello to y'all. I just received an Acom 2000a day before last and would like to pick your collective minds about some issues that have developed.

If any group member who owns an Acom 2000a might be able to help me I'd greatly appreciate it. As a novice with regards this fine amp, I have a number (not a lot) of fundamental questions. Your time, help and advice would be greatly appreciated and I'll name you in my will J

I am seeing a progressively worse SWR on the input to the amp as the operating frequency goes higher. Let me explain: on 1.8 MHz , 3.5 MHz & 7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced this problem? This is my second new 2000a (the other one may have been damaged in shipping) had the exact same problem. Bad production run? A broken 50 ohm swamping resistor? The latter was suggested by the vendor. Not sure what's going on, and thought I'd ask the group. Funny, but this is now starting to look like a pattern. Any advice?

73 de Walt - K2WK
Gordonsville, Virginia

What's your flood risk?
Find flood maps, interactive tools, FAQs, and agents in your area.
http://thirdpartyoffers.juno.com/TGL3141/547f75a4b3fa275a47908st04vuc

[Non-text portions of this message have been removed]

6146. Re: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:48:11 UTC
From: Hal Kennedy
Topic: 6140 Message: 6146

Hi Walt,

A fact and a few guesses:
I have a pair of 2000As here and the SWR is 1:1 on every band as seen by the exciters. The 2000A has a well designed input network, you should not see SWR anywhere near what you are seeing.

- I would check the jumper between the rig and the amp. Are you SURE it is not 75 ohm coax? Is in good quality - including properly soldered PJ-259s and never having had water damage? You might try a swap out. Even if you swap it out with a 20 or 30 foot good piece of coax - that's just fine.
- Are you using band pass filters between the rig and the amp? It you are, you are measuring the SWR of the BPFs, not the amp. These are notorious for not being 1:1 and they shift with band to band and within a band. Try running without them as an experiment. These can throw the SWR readings all over the place. The same goes for a low pass filter for TVI help and for a 1:1 "isolation/decoupling" transformer. Take out everything between the rig and the amp for testing. Antenna switches too. Test with just one piece of GOOD 50 ohm coax.
- Do you have the antenna tuner in the rig turned on. It should be OFF! This can create oddly measured SWR behavior. Likewise, an antenna tuner between the rig and the amp may cause problems. Even in "straight through" they add some impedance. Take it out as a test.
- If the amp is otherwise okay - (a good test is to get about 1500W for 50-55 watts in) then the amp tubes are probably fine. But they could be going bad. I have seen bad tubes, but I have not however, seen them change the input impedance of the amp. A shorted tube could however and grid shorts on 4CX800s are the single most common tube failure.
- If all else fails, I would make the following inspection: Turn the amp upside down with the top cover still on. Remove the access plate under tubes sockets - its easy. There was a very large 50 ohm resistor in there which sets the input impedance via swamping. It is the same in the Alpha 99. The mounting hardware on the resistor is sometimes loose. More likely, you do not have that resistor. It was changed out at a very early serial number to a surface mounted 50 ohm high power block mounted to the chassis. Look over the input network wiring and parts. This is a very easy area to inspect.
- In standby and with the amp on a 50 ohm dummy load, what do you see? You should see 1:1.

If you need more help, what is the serial number of the amp?

Good luck - I'll help further if I can.

After helping folks I often get offers of this and that. My answer is always the same - pay it forward. Help someone else in this hobby....

73,
Hal
N4GG

On 12/3/2014 2:44 PM, 'Walt' k2waltk@... [acom-list] wrote:
>
> Howdy,
>
> Let me introduce myself.My name is Walt and my call is K2WK. I'm an
> avid contester, dx'er and have been licensed since '66. Anyone
> remember CD parties? That's how old I am JI'm new to the group and I'd
> like to say hello to y'all.I just received an Acom 2000a day before
> last and would like to pick your collective minds about some issues
> that have developed.
>
> If any group member who owns an Acom 2000a might be able to help me
> I'd greatly appreciate it.As a novice with regards this fine amp, I
> have a number (not a lot) of fundamental questions.Your time, help and
> advice would be greatly appreciated and I'll name you in my will J
>
> I am seeing a progressively worse SWR on the input to the amp as the
> operating frequency goes higher. Let me explain:on 1.8 MHz , 3.5 MHz &
> 7.0 MHz the SWR is Okay, below 1.5:1.However, on 10.0 MHz to 28.0 MHz
> the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced
> this problem?This is my second new 2000a (the other one may have been
> damaged in shipping) had the exact same problem.Bad production run?A
> broken 50 ohm swamping resistor? The latter was suggested by the
> vendor. Not sure what's going on, and thought I'd ask the group.Funny,
> but this is now starting to look like a pattern.Any advice?
>
> 73 de Walt - K2WK
>
> Gordonsville, Virginia
>
>

6147. Re: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:54:55 UTC
From: Brian Smithson
Topic: 6140 Message: 6147

In fact, I think Ted bought his from me!

Glad it's working so well for you Ted - I miss it!

73

-Brian n8wrl

On Wed, Dec 3, 2014 at 3:41 PM, k2qmf@... [acom-list] <
acom-list@yahoogroups.com> wrote:

> Hello Walt,
>
> I have had my 2000A for over 10 years.
> The input SWR is flat on all bands!!!
> Good Luck in your quest!!
>
> 73,
> Ted K2QMF
>
>
> On Wed, 3 Dec 2014 14:44:59 -0500 "'Walt' k2waltk@... [acom-list]"
> <acom-list@yahoogroups.com> writes:
>
>
>
>
>
> Howdy,
>
> Let me introduce myself. My name is Walt and my call is K2WK. I'm an
> avid contester, dx'er and have been licensed since '66. Anyone remember
> CD parties? That's how old I am J I'm new to the group and I'd like to
> say hello to y'all. I just received an Acom 2000a day before last and
> would like to pick your collective minds about some issues that have
> developed.
>
> If any group member who owns an Acom 2000a might be able to help me I'd
> greatly appreciate it. As a novice with regards this fine amp, I have a
> number (not a lot) of fundamental questions. Your time, help and advice
> would be greatly appreciated and I'll name you in my will J
>
> I am seeing a progressively worse SWR on the input to the amp as the
> operating frequency goes higher. Let me explain: on 1.8 MHz , 3.5 MHz &
> 7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz
> the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced
> this problem? This is my second new 2000a (the other one may have been

> damaged in shipping) had the exact same problem. Bad production run? A
> broken 50 ohm swamping resistor? The latter was suggested by the vendor.
> Not sure what's going on, and thought I'd ask the group. Funny, but
> this is now starting to look like a pattern. Any advice?
>
> 73 de Walt - K2WK
> Gordonsville, Virginia
>
>
>
>
>
> ~~~~~~
> What's your flood risk?
> Find flood maps, interactive tools, FAQs, and agents in your area.
> http://thirdpartyoffers.juno.com/TGL3141/547f75a4b3fa275a47908st04vuc
>
> [Non-text portions of this message have been removed]
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> Yahoo Groups Links
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6148. Re: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 20:59:27 UTC
From: <k2qmf@...>
Topic: 6140 Message: 6148

Hi Brian,

Yes it was me!!
Still working great and still have the
same finals in it!!

We just made 10.5 Million points in CQWW CW
this past Weekend using the amp....

73,
Ted K2QMF

On Wed, 3 Dec 2014 15:54:55 -0500 "Brian Smithson n8wrl@...
[acom-list]" <acom-list@yahoogroups.com> writes:

In fact, I think Ted bought his from me!

Glad it's working so well for you Ted - I miss it!

73

-Brian n8wrl

On Wed, Dec 3, 2014 at 3:41 PM, k2qmf@... [acom-list]
<acom-list@yahoogroups.com> wrote:

Hello Walt,

I have had my 2000A for over 10 years.
The input SWR is flat on all bands!!!
Good Luck in your quest!!

73,
Ted K2QMF

On Wed, 3 Dec 2014 14:44:59 -0500 "'Walt' k2waltk@... [acom-list]"
<acom-list@yahoogroups.com> writes:

Howdy,

Let me introduce myself. My name is Walt and my call is K2WK. I'm an
avid contester, dx'er and have been licensed since '66. Anyone remember
CD parties? That's how old I am J I'm new to the group and I'd like to
say hello to y'all. I just received an Acom 2000a day before last and
would like to pick your collective minds about some issues that have
developed.

If any group member who owns an Acom 2000a might be able to help me I'd
greatly appreciate it. As a novice with regards this fine amp, I have a

number (not a lot) of fundamental questions. Your time, help and advice would be greatly appreciated and I'll name you in my will J

I am seeing a progressively worse SWR on the input to the amp as the operating frequency goes higher. Let me explain: on 1.8 MHz , 3.5 MHz & 7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced this problem? This is my second new 2000a (the other one may have been damaged in shipping) had the exact same problem. Bad production run? A broken 50 ohm swamping resistor? The latter was suggested by the vendor. Not sure what's going on, and thought I'd ask the group. Funny, but this is now starting to look like a pattern. Any advice?

73 de Walt - K2WK
Gordonsville, Virginia

_____
What's your flood risk?
Find flood maps, interactive tools, FAQs, and agents in your area.
http://thirdpartyoffers.juno.com/TGL3141/547f75a4b3fa275a47908st04vuc

[Non-text portions of this message have been removed]

Yahoo Groups Links

_____
What's your flood risk?
Find flood maps, interactive tools, FAQs, and agents in your area.
http://thirdpartyoffers.juno.com/TGL3141/547f7a0b857ce7a0a2ef3st01vuc

[Non-text portions of this message have been removed]

6149. Re: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 22:05:07 UTC
From: Bill Turner
Topic: 6140 Message: 6149

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Wed, 3 Dec 2014 15:20:24 -0500, you wrote:

>
>I'm going to change the length of the coax from the rig (Pro III) to the
>amp.

REPLY:

The length of coax does not affect SWR except for very long lengths.

If the SWR is something other than 1:1 it does affect the impedance
that the transceiver sees, but it does not affect SWR.

Are you sure your SWR meter is accurate? Have you tried it into a
dummy load?

73, Bill W6WRT

6150. Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-03 23:23:52 UTC
From: Walt Kornienko
Topic: 6140 Message: 6150

Hello to all that helped me solve the Acom 2000a high input SWR problem.

Many thanx for all the informative replies. Man, I got quite an education on the amplifier. It seems that Acom has quite a following of 1st class hams.

Before Anyone Goes Any Further: STOP

I believe the problem has been solved. It was the stinking coax to the amp.

73 de Walt - K2WK
Gordonsville, Virginia

6151. RE: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 01:33:21 UTC
From: Vic Culver
Topic: 6140 Message: 6151

Hi, Walt et al. Great! Glad you found 'the problem.' But please be careful! It MAY NOT be the coax!

I have the 2000A, newer than my A-1000, and other than a tube issue, have not really had any difficulty. The tube issue was vexing enough, and had I listened to Jay early on, I'd have slipped the new tubes in and that would have been the end of it.

HOWEVER, I have an intermittent condition with the A-1000. The presenting issue leads one to believe that a coax jumper connected to the amp input is 'bad.' You can tell by jiggling the coax and watching the effects! But replacing the 'bad' coax with a new coax jumper provides only a temporary solution. Soon enough the fault comes back, and again jiggling the coax seems to 'fix' the problem.

THEN I figured out, after replacing several coax jumpers, that the problem is not the COAX, but it is the coax connector on the back plane of the amp. I guess the coax has been screwed in and taken off enough times, with perhaps a little strain on the coax, that the fingers that hold the center pin of the PL-259 make intermittent contact. The fault occurs randomly when the amp is powered. Thankfully the protection circuits are beefy enough to prevent (much/any noticeable) damage -- but one doesn't like to have the amp fault just as one calls the ATNO that suddenly appears. I have to look into replacing that SO-239 on the A-1000 backplane. I HOPE that will be an easy job (because I don't like to stress my friends upon whom I depend too much! hi hi). Truth!

In the meantime, the 2000A is doing just fine, thank you.

So, maybe you had a bad piece of coax and maybe you didn't! Only you can/will know for sure! I hope you've totally solved your problem, Walt, because we can hear your anguished cries all the way down here at Virginia Beach! Good luck, Dude. Vic, W4VIC

6152. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 09:39:07 UTC
From: Callum the Web Boss
Topic: 6140 Message: 6152

Vic,

I have same issue with "stretched" centre female SO239 on my 2000. I have made a patch lead with slightly too much solder on the PL259 pin which solves issue.

It would be cool to swap out to N-types someday...

Callum M0MCX

6153. Sv: [acom-list] Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 09:44:42 UTC
From: ragnar otterstad
Topic: 6140 Message: 6153

I have never paid any attention to the SWR between transceiver and the 2000. My attitude is, as long as it works fine, I don't care73 Rag la5he

Den Onsdag, 3. desember 2014 20.45 skrev "'Walt' k2waltk@gmail.com [acom-list]" <acom-list@yahoogroups.com>:

Howdy, Letme introduce myself. My name isWalt and my call is K2WK. I'm anavid contester, dx'er and have been licensed since '66. Anyone remember CD parties? That's howold I am J I'm new to the group and I'd liketo say hello to y'all. I justreceived an Acom 2000a day before last and would like to pick your collectiveminds about some issues that have developed. If anygroup member who owns an Acom 2000a might be able to help me I'd greatlyappreciate it. As a novice with regards this fine amp, Ihave a number (not a lot) of fundamental questions. Your time, help and advice would begreatly appreciated and I'll name you in my will J Iam seeing a progressively worse SWR on the input to the amp as the operatingfrequency goes higher. Let meexplain: on 1.8 MHz , 3.5 MHz &7.0 MHz the SWR is Okay, below 1.5:1. However, on 10.0 MHz to 28.0 MHz the SWR is over 2:1 and is as high as 2.5:1. Has any one experienced thisproblem? This is my second new2000a (the other one may have been damaged in shipping) had the exact sameproblem. Bad production run? A broken 50 ohm swamping resistor? The latter was suggested by the vendor. Not sure what's going on, and thought I'dask the group. Funny, but this isnow starting to look like a pattern. Any advice? 73de Walt - K2WK
Gordonsville , Virginia <!--

6154. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 09:45:06 UTC
From: E.P
Topic: 6140 Message: 6154

what ever you do all ways buy the top connector and they are from American Made Amphenol they cost a lot but they are the best .
ep

From: "Callum the Web Boss callum@... [acom-list]" <acom-list@yahoogroups.com>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Thursday, 4 December 2014, 9:39
Subject: Re: [acom-list] Re: Acom 2000a: High Input SWR

Vic,

I have same issue with "stretched" centre female SO239 on my 2000. I have made a patch lead with slightly too much solder on the PL259 pin which solves issue.

It would be cool to swap out to N-types someday...

Callum M0MCX

6155. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 11:46:36 UTC
From: Hans Remeeus
Topic: 6140 Message: 6155

Hello Callum,

I have exactly the same wish: swapping out the SO239 with N-type connectors. Perhaps we can help each other with exchanging information about how to do this. The input (TRX) connector is not very difficult to do, but the output (ANT) connector is a different story. Has someone in this group already did this job?

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Callum the Web Boss callum@... [acom-list] schreef op
4-12-2014 10:39:
>
>
> Vic,
>
> I have same issue with "stretched" centre female SO239 on my 2000. I
> have made a patch lead with slightly too much solder on the PL259 pin
> which solves issue.
>
> It would be cool to swap out to N-types someday...
>
> Callum M0MCX
>
>
>
>
>

6156. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 15:12:22 UTC
From: Bill NY9H
Topic: 6140 Message: 6156

At 04:45 AM 12/4/2014, you wrote:

>what ever you do all ways buy the top connector and they are from
>American Made Amphenol they cost a lot but they are the best .
>ep

how does one know where which Amphenol connectors are made????

""Amphenol RF is the worlds largest manufacturer of coaxial
connectors for use in radio frequency,....Our primary manufacturing
sites are located in Shenzhen, China; Tainan, Taiwan; Nogales,
Mexico; and Danbury, CT, USA.

bill

6157. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 15:22:13 UTC
From: Hans Remeeus
Topic: 6140 Message: 6157

What about Radiall?

http://www.radiall.com/
http://www.radiall.com/contact-us/locations

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Bill NY9H ny9h@... [acom-list] schreef op 4-12-2014 16:12:
> At 04:45 AM 12/4/2014, you wrote:
>
>
>> what ever you do all ways buy the top connector and they are from
>> American Made Amphenol they cost a lot but they are the best .
>> ep
>
> how does one know where which Amphenol connectors are made????
>
> ""Amphenol RF is the worlds largest manufacturer of coaxial
> connectors for use in radio frequency,....Our primary manufacturing
> sites are located in Shenzhen, China; Tainan, Taiwan; Nogales,
> Mexico; and Danbury, CT, USA.
>
>
> bill
>
>
>
>
> ------------------------------------
> Posted by: Bill NY9H <ny9h@...>
> ------------------------------------
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> ------------------------------------
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> Yahoo Groups Links
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6158. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 18:42:00 UTC
From: <aivers30868@...>
Topic: 6140 Message: 6158

Request "Mil-Spec", and you will get a quality connector.

Joe, w6vnr

-----Original Message-----
From: "Hans Remeeus hans@remeeus.eu [acom-list]"
Sent: Dec 4, 2014 10:22 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 2000a: High Input SWR

What about Radiall?

http://www.radiall.com/contact-us/locations

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Bill NY9H ny9h@... [acom-list] schreef op 4-12-2014 16:12:
> At 04:45 AM 12/4/2014, you wrote:
>
>
>> what ever you do all ways buy the top connector and they are from
>> American Made Amphenol they cost a lot but they are the best .
>> ep
>
> how does one know where which Amphenol connectors are made????
>
> ""Amphenol RF is the worlds largest manufacturer of coaxial
> connectors for use in radio frequency,....Our primary manufacturing
> sites are located in Shenzhen, China; Tainan, Taiwan; Nogales,
> Mexico; and Danbury, CT, USA.
>
>
> bill
>
>
>
>
> ----------
> Posted by: Bill NY9H
>; ----------
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> Yahoo Groups Links
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6159. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-04 20:29:25 UTC
From: Vic Culver
Topic: 6140 Message: 6159

Thank you, Callum. Yes, that's one solution. But I switch cables between the A-1000 and the 2000-A. Bulking up the center pin may be a good solution for the 1K but I don't want to compromise the connections on the 2K! I think I can find an adapter for the 1K and can fix that up so that it will work. Or, as was suggested, perhaps swapping out the Input connector is not so bad a job. I'll go with KISS principle as long as it works! hi hi

Do you really think the N-type connectors would be an improvement? How so? I have found them to be less sturdy and they sometimes lose their grip on the coax itself -- especially if not very well strain relieved.

Thanks for taking the trouble to respond. Vy 73, es good luck with your 2K. Vic, W4VIC

On 12/4/2014 4:39 AM, Callum the Web Boss callum@...
[acom-list] wrote:
> Vic,
>
> I have same issue with "stretched" centre female SO239 on my 2000. I
> have made a patch lead with slightly too much solder on the PL259 pin
> which solves issue.
>
> It would be cool to swap out to N-types someday...
>
> Callum M0MCX
>
>
>

6160. RE: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 03:41:34 UTC
From: Bill Hider
Topic: 6140 Message: 6160

I recommend you (anyone) watch Frank' s, (W3LPL) recent couple years' of Contest University presentations where he talks about Type N vs PL-259 connectors for Amateur Radio use.

I have watched it several times in the past three years and am now in the process of replacing all the Type-N connectors in my station. I've now replaced all of them on my towers, but I have many more to go, including the

Polyphasers change-out to have UHF/UHF instead of N/N connectors at the base of both towers.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, December 04, 2014 3:29 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 2000a: High Input SWR

Thank you, Callum. Yes, that's one solution. But I switch cables between the A-1000 and the 2000-A. Bulking up the center pin may be a good solution for the 1K but I don't want to compromise the connections on the 2K! I think I can find an adapter for the 1K and can fix that up so that it will work. Or, as was suggested, perhaps swapping out the Input connector is not so bad a job. I'll go with KISS principle as long as it works! hi hi

Do you really think the N-type connectors would be an improvement? How so? I have found them to be less sturdy and they sometimes lose their grip on the coax itself -- especially if not very well strain relieved.

Thanks for taking the trouble to respond. Vy 73, es good luck with your 2K.
Vic, W4VIC

On 12/4/2014 4:39 AM, Callum the Web Boss callum@...
[acom-list] wrote:

Vic,

I have same issue with "stretched" centre female SO239 on my 2000. I have made a patch lead with slightly too much solder on the PL259 pin which solves issue.

It would be cool to swap out to N-types someday...

Callum M0MCX

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8680 - Release Date: 12/04/14

6161. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 05:50:54 UTC
From: Hans Remeeus
Topic: 6140 Message: 6161

Hello Bill,

You made me very very curious. Where can we watch Frank's presentation?

This is the first time in my life (QRV on HF since 1965, also professionaly) that I read that someone replaces PL-259 with N.

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Bill Hider' n3rr@... [acom-list] schreef op 5-12-2014 04:41:
>
>
> I recommend you (anyone) watch Frank' s, (W3LPL) recent couple years'
> of Contest University presentations where he talks about Type N vs
> PL-259 connectors for Amateur Radio use.
>
> I have watched it several times in the past three years and am now in
> the process of replacing all the Type-N connectors in my station.
> I've now replaced all of them on my towers, but I have many more to
> go, including the
>
> Polyphasers change-out to have UHF/UHF instead of N/N connectors at
> the base of both towers.
>
> Bill N3RR
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, December 04, 2014 3:29 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Re: Acom 2000a: High Input SWR
>
> Thank you, Callum. Yes, that's one solution. But I switch cables
> between the A-1000 and the 2000-A. Bulking up the center pin may be a
> good solution for the 1K but I don't want to compromise the
> connections on the 2K! I think I can find an adapter for the 1K and
> can fix that up so that it will work. Or, as was suggested, perhaps
> swapping out the Input connector is not so bad a job. I'll go with
> KISS principle as long as it works! hi hi
>
> Do you really think the N-type connectors would be an improvement?

> How so? I have found them to be less sturdy and they sometimes lose
> their grip on the coax itself -- especially if not very well strain
> relieved.
>
> Thanks for taking the trouble to respond. Vy 73, es good luck with
> your 2K. Vic, W4VIC
>
> On 12/4/2014 4:39 AM, Callum the Web Boss callum@...
> <mailto:callum@...> [acom-list] wrote:
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> Vic,
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> I have same issue with "stretched" centre female SO239 on my 2000.
> I have made a patch lead with slightly too much solder on the
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>
> It would be cool to swap out to N-types someday...
>
> Callum M0MCX
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5577 / Virus Database: 4235/8680 - Release Date: 12/04/14
>
>
>
>

6162. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 07:00:40 UTC
From: Hans Remeeus
Topic: 6140 Message: 6162

Read: replaces N by PL-259, or: replaces N with PL-259. English is not
my native language ;-)

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Hans Remeeus hans@... [acom-list] schreef op 5-12-2014 06:50:
>
>
>
> Hello Bill,
>
> You made me very very curious. Where can we watch Frank's presentation?
>
> This is the first time in my life (QRV on HF since 1965, also
> professionaly) that I read that someone replaces PL-259 with N.
>
> Tnx and 73, Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
> 'Bill Hider' n3rr@... [acom-list] schreef op 5-12-2014 04:41:
>>
>> I recommend you (anyone) watch Frank' s, (W3LPL) recent couple
>> years' of Contest University presentations where he talks about Type
>> N vs PL-259 connectors for Amateur Radio use.
>>
>> I have watched it several times in the past three years and am now
>> in the process of replacing all the Type-N connectors in my station.
>> I've now replaced all of them on my towers, but I have many more to
>> go, including the
>>
>> Polyphasers change-out to have UHF/UHF instead of N/N connectors at
>> the base of both towers.
>>
>> Bill N3RR
>>
>> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]

>> *Sent:* Thursday, December 04, 2014 3:29 PM
>> *To:* acom-list@yahoogroups.com
>> *Subject:* Re: [acom-list] Re: Acom 2000a: High Input SWR
>>
>> Thank you, Callum. Yes, that's one solution. But I switch cables
>> between the A-1000 and the 2000-A. Bulking up the center pin may be a
>> good solution for the 1K but I don't want to compromise the
>> connections on the 2K! I think I can find an adapter for the 1K and
>> can fix that up so that it will work. Or, as was suggested, perhaps
>> swapping out the Input connector is not so bad a job. I'll go with
>> KISS principle as long as it works! hi hi
>>
>> Do you really think the N-type connectors would be an improvement?
>> How so? I have found them to be less sturdy and they sometimes lose
>> their grip on the coax itself -- especially if not very well strain
>> relieved.
>>
>> Thanks for taking the trouble to respond. Vy 73, es good luck with
>> your 2K. Vic, W4VIC
>>
>> On 12/4/2014 4:39 AM, Callum the Web Boss callum@...
>> <mailto:callum@...> [acom-list] wrote:
>>
>> Vic,
>>
>> I have same issue with "stretched" centre female SO239 on my
>> 2000. I have made a patch lead with slightly too much solder on
>> the PL259 pin which solves issue.
>>
>> It would be cool to swap out to N-types someday...
>>
>> Callum M0MCX
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2015.0.5577 / Virus Database: 4235/8680 - Release Date: 12/04/14
>>
>
>
>
>

6163. RE: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 07:08:23 UTC
From: Bill Hider
Topic: 6140 Message: 6163

Hans,

First of all, I am saying we should replace our N connectors with PL-259.

Sorry if I confused you or anyone else with my posting.

Pl-259 connectors are also called UHF connectors here in the US.

That may have caused the confusion.

Frank is on the faculty of Contest University and brings this subject up in more than one of his sessions.

One of the presentations where Frank mentions the problems with Type N connectors is

posted on the Contest University website.

Go to: ContestUniversity [dot][com]

Click on the "Videos" tab.

Then click on the link in the third bullet under the "Dayton 2013 Contest University".

"Contest University III: Design, Installation, and Maintenance of Antennas by Frank Donovan, W3LPL"

In that presentation, at time stamp 48:25, in the Q&A segment of that presentation, "Todd" asks

two questions. (The questions are not recorded, but Frank's answers are recorded.) The second question asked by "Todd" is about N connectors.

That is where Frank takes 4 minutes to enlighten everyone to why hams should not use type N connectors on HF.

I designed my station in 1991 - 1992. The best practices then was to use Type-N connectors.

I had 86 type-N connectors in my antenna cabling network design from the shack to the antennas.

I've now replaced 10 Type-N with PL-259 connectors. I only have 76 more Type-N connectors to replace!

Plus, I need to buy new Polyphaser lightning protectors with SO-239 connectors

and discard my Polyphasers with Type -N connectors.

You can see several photos of my antenna cabling system and read about my station design on my website.

users [dot] erols [dot] com [slash] n3rr

Go to the design links near the bottom of my homepage.

73,

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Friday, December 05, 2014 12:51 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 2000a: High Input SWR

Hello Bill,

You made me very very curious. Where can we watch Frank's presentation?

This is the first time in my life (QRV on HF since 1965, also professionaly) that I read that someone replaces PL-259 with N.

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Bill Hider' n3rr@... [acom-list] schreef op 5-12-2014 04:41:

I recommend you (anyone) watch Frank' s, (W3LPL) recent couple years' of Contest University presentations where he talks about Type N vs PL-259 connectors for Amateur Radio use.

I have watched it several times in the past three years and am now in the process of replacing all the Type-N connectors in my station. I've now replaced all of them on my towers, but I have many more to go, including the

Polyphasers change-out to have UHF/UHF instead of N/N connectors at the base of both towers.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, December 04, 2014 3:29 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 2000a: High Input SWR

Thank you, Callum. Yes, that's one solution. But I switch cables between the A-1000 and the 2000-A. Bulking up the center pin may be a good solution for the 1K but I don't want to compromise the connections on the 2K! I think I can find an adapter for the 1K and can fix that up so that it will

work. Or, as was suggested, perhaps swapping out the Input connector is not so bad a job. I'll go with KISS principle as long as it works! hi hi

Do you really think the N-type connectors would be an improvement? How so? I have found them to be less sturdy and they sometimes lose their grip on the coax itself -- especially if not very well strain relieved.

Thanks for taking the trouble to respond. Vy 73, es good luck with your 2K.
Vic, W4VIC

On 12/4/2014 4:39 AM, Callum the Web Boss callum@...
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I have same issue with "stretched" centre female SO239 on my 2000. I have made a patch lead with slightly too much solder on the PL259 pin which solves issue.

It would be cool to swap out to N-types someday...

Callum M0MCX

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Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8680 - Release Date: 12/04/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8682 - Release Date: 12/04/14

6164. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 08:08:12 UTC
From: Hans Remeeus
Topic: 6140 Message: 6164

Thanks Bill.

W3LPL is talking about N-connectors, who are not correctly mounted; when the pin of the male connector is not in the correct position. In this case things could go wrong. He is right and I agree with him! This is the reason why I always mount N-connectors in the right way and use N-connectors from brands like Suhner, Rosenberger, Radiall or Greenpar. I avoid Chinese Export.

* The pin of the N-connector is double shielded. The pin of the PL-259 is not. Same with the SO-239.
* The impedance of N-connector is more stable 50 Ohm than a lot of PL-259/SO-239 connectors on the market. Measurements with PL-259/SO-239 in some cases showed an impedance of 35 Ohm, instead of 50 Ohm.
* N-connectors are more resistant against dust and moisture than PL-259/SO-239.
* N-connectors have a much higher frequency range than PL-259/SO-239; N-connectors can be used until at least 11.000 MHz, while PL-259/SO-239 claim 0-300 MHz.

Just my humble opinion...

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Bill Hider' n3rr@... [acom-list] schreef op 5-12-2014 08:08:
>
>
> Hans,
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> Sorry if I confused you or anyone else with my posting.
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> In that presentation, at time stamp 48:25, in the Q&A segment of that
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> two questions. (The questions are not recorded, but Frank's answers
> are recorded.) The second question asked by "Todd" is about N connectors.
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> That is where Frank takes 4 minutes to enlighten everyone to why hams
> should not use type N connectors on HF.
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> I designed my station in 1991 -- 1992. The best practices then was to
> use Type-N connectors.
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> I had 86 type-N connectors in my antenna cabling network design from
> the shack to the antennas.
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> I've now replaced 10 Type-N with PL-259 connectors. I only have 76
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> You can see several photos of my antenna cabling system and read about
> my station design on my website.
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> users [dot] erols [dot] com [slash] n3rr
>
> Go to the design links near the bottom of my homepage.
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> 73,
>
> Bill, N3RR
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> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
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> *From:*acom-list@yahoogroups.com
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> Version: 2015.0.5577 / Virus Database: 4235/8682 - Release Date: 12/04/14
>
>
>
>

6165. Re: ACOM600S Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 17:59:05 UTC
From: tomi.j.kallio@...
Topic: 6114 Message: 6165

Hi

Did you already get Technical Supplement CD?
I got RS-232 protocol info from Acom by email.
I can send it to you.

-Tomi OH2BBT

6166. Re: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-05 20:46:26 UTC
From: Bill Turner
Topic: 6140 Message: 6166

While you are at it, please look into crimp-type UHF connectors.
Below is a brief article I wrote on using them. I hope it will be
helpful.

++

I love crimp type coax connectors. Done right, they are faster and
more reliable than solder type. I will never go back.

First, there are two types of crimp connectors. They both are designed
to have the braid crimped, but some of them are designed to have the
center pin soldered. Do not mix up the two kinds. The solder type has
a small cutout for the solder like PL-259's have had forever. The
crimp type has a round pin with no cutout. DO NOT try to crimp the
solder type and do not try to solder the crimp type. It won't hold.
Guess how I know. :-)

Always crimp or solder the pin first and then give it a good pull
before you crimp the braid. It should not pull out, obviously. How
much pull? I don't know exactly, but i think it should withstand at
least ten pounds or so. More is better.

In order to get a god crimp on the braid of the coax, all the braid
wires must all be intact. In other words, if you nick a few strands
and remove them, the crimp will not be as tight as it should be.
Do it over.

In order to get a really tight crimp, I like to put a single wrap of
electrical tape over the braid first. The ferrule is not part of the
electrical connection, so don't worry about that. it's only purpose it
to press the braid tightly to the connector. The tape just enlarges
the diameter and increases the pressure applied by the ferrule. You
could instead use heat shrink tubing of the appropriate size.

I highly recommend using a coax cutting tool, the kind that makes two
cuts at once - one down to the center conductor and one down to the
braid. It is well worth your time to get the depth of cur just right.
These cutters are adjustable so practice on a piece of coax and figure
wasting a foot or two until you have the cut perfect. You will be well
rewarded in the long run.

Hope this saves someone some grief. Comments welcome.

73, Bill W6WRT

6167. Bias Voltage to Low

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-06 16:06:18 UTC
From: Jim Lawrence
Topic: 6167 Message: 6167

When I turn on my ACOM 2000A I am getting a protection fault. Occasionally, the AMP faults instantaneously after the power on sequence completes. I can't see the fault message it flashes pass to quickly. At other times when I get thru the power on sequence I get a Bias to low fault. The bias say its zero volt.

So a couple of questions.

How do I dig out the fault message when the amplifier turns itself off instantaneously after the completion of the power on sequence of 150 seconds?

What is the cause of the bias too low? Is it tubes? Or a power supply? Are there any known recurring causes of the a bias to low problem?

How/where do I get a service manual?

The amplifier is ten years old and has a had a hard life contesting for long periods at a time. Eventually, I can get the amplifier on after repeated power on attempts. It then seems to operate normally for as long as I keep it on. If I turn off amplifier and turn it back on within a few minutes it will continue to operate normally. If I turn the amp of and let it get "cold." I then have the problems described above.

The first attempt to power it on results in an instantaneous power off. The second attempt results in a bias to low fault. subsequent attempts at power on usually result in the amp operating normally.

I need some ideas/info as to cause of my problem with the amp.

73

Jim W7CT

6168. Re: [acom-list] Bias Voltage to Low

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-06 16:14:36 UTC
From: K2LS
Topic: 6167 Message: 6168

Jim,

I had the same problem.It was a bad tube.
A filter cap in the bias supply is also known to go bad.

I sent my amp to Array solutions. They replaced the tubes and the filter cap (which was still OK).

Great, FAST service.
Call Jay or Bob. They will take care of you if you do not want to do it yourself. A bit of a pain...

Larry K2LS

DX Packetcluster DXC.K2LS.COM Spots from NA zones 1-8 only.

JimOn 12/6/2014 11:06 AM, Jim Lawrence jim.w7ct@... [acom-list] wrote:
> When I turn on my ACOM 2000A I am getting a protection fault.
> Occasionally, the AMP faults instantaneously after the power on
> sequence completes. I can't see the fault message it flashes pass to
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> attempts at power on usually result in the amp operating normally.

>
> I need some ideas/info as to cause of my problem with the amp.
>
> 73
>
> Jim W7CT
>

6169. Re: Bias Voltage to Low

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-06 19:31:16 UTC
From: ea6nb@...
Topic: 6167 Message: 6169

Hello,
I had this fault about one month ago, it could be a bad tube or a bad C2 electrolytic capacitor at the LV Supply board (not easy to get there). I had a bad cap, I replaced after a 2H job and the amp (15 years old but easy life) was working again, still with the old tubes.

The worst was to take down the heavy amp from a high shelf and putting it back again!
There is a test to know if it is bad tube or a cap, removing the front panel and checking three voltages voltages with the amp switch ON.
No need of Service Manual just email Acom and Val will guide you to repair it.
73,
Jaime, EA6NB.

6170. Re: [acom-list] Re: Bias Voltage to Low

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-06 19:42:15 UTC
From: Bruce Felder
Topic: 6167 Message: 6170

> On Dec 6, 2014, at 1:31 PM, ea6nb@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
>
> Hello,
> I had this fault about one month ago, it could be a bad tube or a bad C2 electrolytic capacitor at the LV Supply board (not easy to get there). I had a bad cap, I replaced after a 2H job and the amp (15 years old but easy life) was working again, still with the old tubes.
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>
> No need of Service Manual just email Acom and Val will guide you to repair it.
>
> 73,
>
> Jaime, EA6NB.
>
>
>

6171. Re: [acom-list] Bias Voltage to Low

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-07 00:55:36 UTC
From: Glenn O'Donnell, K3PP
Topic: 6167 Message: 6171

Hi Jim,

Check electrolytic capacitor C2 on the low voltage board. If it's fried, I can send you one, no cost to you.

VY 73 de Glenn K3PP

Glenn O'Donnell, K3PP

Sent from my Begali Sculpture key
... um, nah, just an iPhone! Sorry!

> On Dec 6, 2014, at 11:06 AM, Jim Lawrence jim.w7ct@... [acom-list] <acom-list@yahoogroups.com> wrote:
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> The first attempt to power it on results in an instantaneous power off. The second attempt results in a bias to low fault. subsequent attempts at power on usually result in the amp operating normally.
>
> I need some ideas/info as to cause of my problem with the amp.
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> 73
>
> Jim W7CT
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6172. Re: [acom-list] Digest Number 1770

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-07 13:33:23 UTC
From: Jim Lawrence
Topic: 6172 Message: 6172

Folks,

Thanks for all the info and the offer of a capacitor. Right now my
biggest problem, is getting the amplifier off the shelf:-) It is much to
heavy for me lift alone.

To everyone that responded both off and on line. Thanks again.

73

Jim W7CT
On 12/7/2014 4:44 AM, acom-list@yahoogroups.com wrote:
> Acom amp reflector
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJkMGkyZGY2BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ
3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNmdHIEc2xrA2dmcARzdGltZQMxNDE3OTUyNjUx>
>
> Acom amp reflector Group
> <https://groups.yahoo.com/neo/groups/acom-list/info;_ylc=X3oDMTJkcjZldTlpBF9TAzk3MzU5NzE
1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNoZHIEc2xrA2hwaARzdGltZQMxNDE3OTUyNjUx>
>
>
>
> 5 Messages
>
> Digest #1770
> 1a
> Bias Voltage to Low <#1a> by "Jim Lawrence" w7ct
> 1b
> Re: Bias Voltage to Low <#1b> by "K2LS"
> 1c
> Re: Bias Voltage to Low <#1c> by ea6nb
> 1d
> Re: Bias Voltage to Low <#1d> by "Bruce Felder"
> 1e
> Re: Bias Voltage to Low <#1e> by "Glenn O'Donnell, K3PP" k3pp
>
>
> Messages
>
>
> 1a
>
>
> Bias Voltage to Low
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6167;_ylc=X3oDMTJxMX

UwZjFxBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNjcEc2VjA2Rt
c2cEc2xrA3Ztc2cEc3RpbWUDMTQxNzk1MjY1MQ-->
>
>
>
> Sat Dec 6, 2014 8:06 am (PST) . Posted by:
>
>
> "Jim Lawrence" w7ct
> <mailto:jim.w7ct@...?subject=Re%3A%20Bias%20Voltage%20to%20Low>
>
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> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/messages/6167;_ylc=X3oDMTJx

aWh1cTAzBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNjcEc2VjA2
Rtc2cEc2xrA3JwbHkEc3RpbWUDMTQxNzk1MjY1MQ--?act=reply&messageNum=6167>
> . All Messages (5)
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6167;_ylc=X3oDMTM1cD
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c2cEc2xrA3Z0cGMEc3RpbWUDMTQxNzk1MjY1MQR0cGNJZAM2MTY3>
> . Top ^ <#toc>
>
>
> 1b
>
>
> Re: Bias Voltage to Low
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6168;_ylc=X3oDMTJxNm
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c2cEc2xrA3Ztc2cEc3RpbWUDMTQxNzk1MjY1MQ-->
>
>
>
> Sat Dec 6, 2014 8:15 am (PST) . Posted by:
>
>
> "K2LS"
> <mailto:K2LS@...?subject=Re%3A%20Bias%20Voltage%20to%20Low>
>
>
> Jim,
>
> I had the same problem.It was a bad tube.
> A filter cap in the bias supply is also known to go bad.
>
> I sent my amp to Array solutions. They replaced the tubes and the filter
> cap (which was still OK).
>
> Great, FAST service.
> Call Jay or Bob. They will take care of you if you do not want to do it
> yourself. A bit of a pain...
>
> Larry K2LS
>
> DX Packetcluster DXC.K2LS.COM Spots from NA zones 1-8 only.
>
> JimOn 12/6/2014 11:06 AM, Jim Lawrence jim.w7ct@... [acom-list]
> wrote:
> > When I turn on my ACOM 2000A I am getting a protection fault.
> > Occasionally, the AMP faults instantaneously after the power on
> > sequence completes. I can't see the fault message it flashes pass to
> > quickly. At other times when I get thru the power on sequence I get a
> > Bias to low fault. The bias say its zero volt.
> >
> > So a couple of questions.

> >
> > How do I dig out the fault message when the amplifier turns itself off
> > instantaneously after the completion of the power on sequence of 150
> > seconds?
> >
> > What is the cause of the bias too low? Is it tubes? Or a power
> > supply? Are there any known recurring causes of the a bias to low
> > problem?
> >
> > How/where do I get a service manual?
> >
> > The amplifier is ten years old and has a had a hard life contesting
> > for long periods at a time. Eventually, I can get the amplifier on
> > after repeated power on attempts. It then seems to operate normally
> > for as long as I keep it on. If I turn off amplifier and turn it back
> > on within a few minutes it will continue to operate normally. If I
> > turn the amp of and let it get "cold." I then have the problems
> > described above.
> >
> > The first attempt to power it on results in an instantaneous power
> > off. The second attempt results in a bias to low fault. subsequent
> > attempts at power on usually result in the amp operating normally.
> >
> > I need some ideas/info as to cause of my problem with the amp.
> >
> > 73
> >
> > Jim W7CT
> >
>
> Reply to sender
> <mailto:K2LS@...?subject=Re%3A%20Bias%20Voltage%20to%20Low> .
> Reply to group
> <mailto:acom-list@yahoogroups.com?subject=Re%3A%20Bias%20Voltage%20to%20Low>
> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/messages/6168;_ylc=X3oDMTJx
ZzJzdTdlBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNjgEc2VjA2
Rtc2cEc2xrA3JwbHkEc3RpbWUDMTQxNzk1MjY1MQ--?act=reply&messageNum=6168>
> . All Messages (5)
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6167;_ylc=X3oDMTM1NG
RvMDA3BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNjgEc2VjA2Rt
c2cEc2xrA3Z0cGMEc3RpbWUDMTQxNzk1MjY1MQR0cGNJZAM2MTY3>
> . Top ^ <#toc>
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> 1c
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>
> Re: Bias Voltage to Low
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6169;_ylc=X3oDMTJxdD

UyOWJwBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNjkEc2VjA2Rt
c2cEc2xrA3Ztc2cEc3RpbWUDMTQxNzk1MjY1MQ-->
>
>
>
> Sat Dec 6, 2014 11:31 am (PST) . Posted by:
>
>
> ea6nb
> <mailto:ea6nb@...?subject=Re%3A%20Bias%20Voltage%20to%20Low>
>
> Hello,
> I had this fault about one month ago, it could be a bad tube or a bad
> C2 electrolytic capacitor at the LV Supply board (not easy to get
> there). I had a bad cap, I replaced after a 2H job and the amp (15
> years old but easy life) was working again, still with the old tubes.
>
> The worst was to take down the heavy amp from a high shelf and putting
> it back again!
> There is a test to know if it is bad tube or a cap, removing the front
> panel and checking three voltages voltages with the amp switch ON.
> No need of Service Manual just email Acom and Val will guide you to
> repair it.
> 73,
> Jaime, EA6NB.
> Reply to sender
> <mailto:ea6nb@...?subject=Re%3A%20Bias%20Voltage%20to%20Low> .
> Reply to group
> <mailto:acom-list@yahoogroups.com?subject=Re%3A%20Bias%20Voltage%20to%20Low>
> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/messages/6169;_ylc=X3oDMTJx
NG1pZWF2BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNjkEc2VjA2
Rtc2cEc2xrA3JwbHkEc3RpbWUDMTQxNzk1MjY1MQ--?act=reply&messageNum=6169>
> . All Messages (5)
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6167;_ylc=X3oDMTM1OG
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c2cEc2xrA3Z0cGMEc3RpbWUDMTQxNzk1MjY1MQR0cGNJZAM2MTY3>
> . Top ^ <#toc>
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> 1d
>
>
> Re: Bias Voltage to Low
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6170;_ylc=X3oDMTJxMn
U3cG1hBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNzAEc2VjA2Rt
c2cEc2xrA3Ztc2cEc3RpbWUDMTQxNzk1MjY1MQ-->
>
>
>
> Sat Dec 6, 2014 11:42 am (PST) . Posted by:

>
>
> "Bruce Felder"
> <mailto:K3BF@...?subject=Re%3A%20Bias%20Voltage%20to%20Low>
>
>
> > On Dec 6, 2014, at 1:31 PM, ea6nb@... [acom-list]
> <acom-list@yahoogroups.com> wrote:
> >
> >
> > Hello,
> > I had this fault about one month ago, it could be a bad tube or a
> bad C2 electrolytic capacitor at the LV Supply board (not easy to get
> there). I had a bad cap, I replaced after a 2H job and the amp (15
> years old but easy life) was working again, still with the old tubes.
> >
> >
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> >
> > There is a test to know if it is bad tube or a cap, removing the
> front panel and checking three voltages voltages with the amp switch ON.
> >
> > No need of Service Manual just email Acom and Val will guide you to
> repair it.
> >
> > 73,
> >
> > Jaime, EA6NB.
> >
> >
> >
>
> Reply to sender
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> Reply to group
> <mailto:acom-list@yahoogroups.com?subject=Re%3A%20Bias%20Voltage%20to%20Low>
> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/messages/6170;_ylc=X3oDMTJx
bjRyYmExBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNzAEc2VjA2
Rtc2cEc2xrA3JwbHkEc3RpbWUDMTQxNzk1MjY1MQ--?act=reply&messageNum=6170>
> . All Messages (5)
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6167;_ylc=X3oDMTM1a3
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c2cEc2xrA3Z0cGMEc3RpbWUDMTQxNzk1MjY1MQR0cGNJZAM2MTY3>
> . Top ^ <#toc>
>
>
> 1e
>

>
> Re: Bias Voltage to Low
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6171;_ylc=X3oDMTJxam
s5Nm5qBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNzEEc2VjA2Rt
c2cEc2xrA3Ztc2cEc3RpbWUDMTQxNzk1MjY1MQ-->
>
>
>
> Sat Dec 6, 2014 4:55 pm (PST) . Posted by:
>
>
> "Glenn O'Donnell, K3PP" k3pp
> <mailto:k3pp@...?subject=Re%3A%20Bias%20Voltage%20to%20Low>
>
> Hi Jim,
>
> Check electrolytic capacitor C2 on the low voltage board. If it's
> fried, I can send you one, no cost to you.
>
> VY 73 de Glenn K3PP
>
> Glenn O'Donnell, K3PP
>
> Sent from my Begali Sculpture key
> ... um, nah, just an iPhone! Sorry!
>
> > On Dec 6, 2014, at 11:06 AM, Jim Lawrence jim.w7ct@...
> [acom-list] <acom-list@yahoogroups.com> wrote:
> >
> > When I turn on my ACOM 2000A I am getting a protection fault.
> Occasionally, the AMP faults instantaneously after the power on
> sequence completes. I can't see the fault message it flashes pass to
> quickly. At other times when I get thru the power on sequence I get a
> Bias to low fault. The bias say its zero volt.
> >
> > So a couple of questions.
> >
> > How do I dig out the fault message when the amplifier turns itself
> off instantaneously after the completion of the power on sequence of
> 150 seconds?
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> supply? Are there any known recurring causes of the a bias to low problem?
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> for as long as I keep it on. If I turn off amplifier and turn it back

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> turn the amp of and let it get "cold." I then have the problems
> described above.
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> > The first attempt to power it on results in an instantaneous power
> off. The second attempt results in a bias to low fault. subsequent
> attempts at power on usually result in the amp operating normally.
> >
> > I need some ideas/info as to cause of my problem with the amp.
> >
> > 73
> >
> > Jim W7CT
> >
> Reply to sender
> <mailto:k3pp@...?subject=Re%3A%20Bias%20Voltage%20to%20Low> .
> Reply to group
> <mailto:acom-list@yahoogroups.com?subject=Re%3A%20Bias%20Voltage%20to%20Low>
> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/messages/6171;_ylc=X3oDMTJx
cDhsc2dkBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNzEEc2VjA2
Rtc2cEc2xrA3JwbHkEc3RpbWUDMTQxNzk1MjY1MQ--?act=reply&messageNum=6171>
> . All Messages (5)
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6167;_ylc=X3oDMTM1bW
U4dmgwBF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYxNzEEc2VjA2Rt
c2cEc2xrA3Z0cGMEc3RpbWUDMTQxNzk1MjY1MQR0cGNJZAM2MTY3>
> . Top ^ <#toc>
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/acom-list/info;_ylc=X3oDMTJlM3RncWdoBF9TAzk3MzU5NzE
1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwN2dGwEc2xrA3ZnaHAEc3RpbWUDMTQxNzk1MjY1M
Q-->
>
>
> * New Members
> <https://groups.yahoo.com/neo/groups/acom-list/members/all;_ylc=X3oDMTJmbHBuMTVvBF9TAzk3
MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwN2dGwEc2xrA3ZtYnJzBHN0aW1lAzE0MT
c5NTI2NTE->
> 4
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJkMGkyZGY2BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ
3Jwc3BJZAMxNzA1MDYzMTA4BHNlYwNmdHIEc2xrA2dmcARzdGltZQMxNDE3OTUyNjUx>
>
> ? Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> ?
> Unsubscribe
> <mailto:acom-list-unsubscribe@yahoogroups.com?subject=Unsubscribe> ?
> Terms of Use <https://info.yahoo.com/legal/us/yahoo/utos/terms/>

6173. RE: [acom-list] Re: Acom 2000a: High Input SWR

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-07 16:12:10 UTC
From: Walt
Topic: 6140 Message: 6173

Hi Vic and the gang,

I have a big smile on my face after reading the end of your letter. Anguish yes,
but the (probable) resolution was readily at hand. Swapped the jumpers and voila, it woiky-woiky now. And after all that, man do I feel dumb. You mentioned the coax connector inside the amp becoming loose. I had the same situation with a Palstar tuner. Some form of strain relief is called for.

I'd like to thank you all with helping out. I believe in the collective wisdom of the group. Lottsa great stuff on here. BTW, ran 160 last night for hours and hours, it was fun. Life's too short for QRP :)

73 de Walt - K2WK
Gordonsville, Virginia

> -----Original Message-----
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> Sent: Wednesday, December 03, 2014 8:33 PM
> To: acom-list@yahoogroups.com
> Subject: RE: [acom-list] Re: Acom 2000a: High Input SWR
>
>
>
> Hi, Walt et al. Great! Glad you found 'the problem.' But please be careful! It
> MAY NOT be the coax!
>
> I have the 2000A, newer than my A-1000, and other than a tube issue, have not
> really had any difficulty. The tube issue was vexing enough, and had I listened to
> Jay early on, I'd have slipped the new tubes in and that would have been the end
> of it.
>
> HOWEVER, I have an intermittent condition with the A-1000. The presenting
> issue leads one to believe that a coax jumper connected to the amp input is 'bad.'
> You can tell by jiggling the coax and watching the effects! But replacing the 'bad'
> coax with a new coax jumper provides only a temporary solution. Soon enough
> the fault comes back, and again jiggling the coax seems to 'fix' the problem.
>

> THEN I figured out, after replacing several coax jumpers, that the problem
is not
> the COAX, but it is the coax connector on the back plane of the amp. I
guess the
> coax has been screwed in and taken off enough times, with perhaps a little
strain
> on the coax, that the fingers that hold the center pin of the PL-259 make
> intermittent contact. The fault occurs randomly when the amp is powered.
> Thankfully the protection circuits are beefy enough to prevent (much/any
> noticeable) damage -- but one doesn't like to have the amp fault just as
one calls
> the ATNO that suddenly appears. I have to look into replacing that SO-239
on the
> A-1000 backplane. I HOPE that will be an easy job (because I don't like
to stress
> my friends upon whom I depend too much! hi hi). Truth!
>
> In the meantime, the 2000A is doing just fine, thank you.
>
> So, maybe you had a bad piece of coax and maybe you didn't! Only you
can/will
> know for sure! I hope you've totally solved your problem, Walt, because
we can
> hear your anguished cries all the way down here at Virginia Beach! Good
luck,
> Dude. Vic, W4VIC
>
>
>
>
>
>

6174. Yo

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-21 02:11:03 UTC
From: Dave Hawes
Topic: 6174 Message: 6174

Hi Jim.

Hope you are doing well. Get that Acom off the shelf and keep it on a low table. You may recall that at Sig's we made two rough amplifier stands out of 3/4" plywood and 2by4s. Cheap, but very effective.

You may know that Sig has decided to do mostly single op entries from now on. We just couldn't get enough ops (that he was comfortable with) to come in and operate. So, I've moved over to WE3C, who is building a mega multi/multi station in Fleetwood. It's only about 10 minutes longer a drive for me than Sig's place. We will keep Sig's antennas going indefinitely, so he should be good.

Have a nice holidays.

Dave

6175. Re: [acom-list] Yo

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-21 02:56:38 UTC
From: Hal Kennedy
Topic: 6174 Message: 6175

Sorry to hear Sig is scaling back. The biggest problem is always
getting a good crew together....
73
Hal N4GG

On 12/20/2014 9:11 PM, Dave Hawes dave.n3rd@... [acom-list] wrote:
> Hi Jim.
>
> Hope you are doing well. Get that Acom off the shelf and keep it on a
> low table. You may recall that at Sig's we made two rough amplifier
> stands out of 3/4" plywood and 2by4s. Cheap, but very effective.
>
> You may know that Sig has decided to do mostly single op entries from
> now on. We just couldn't get enough ops (that he was comfortable
> with) to come in and operate. So, I've moved over to WE3C, who is
> building a mega multi/multi station in Fleetwood. It's only about 10
> minutes longer a drive for me than Sig's place. We will keep Sig's
> antennas going indefinitely, so he should be good.
>
> Have a nice holidays.
>
> Dave
>

6176. Hello

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-21 13:52:18 UTC
From: F4EFI
Topic: 6176 Message: 6176

Hi.

I am a new member on this group, I looked for info about my Acom 1000 and I found this group.

F4EFI Gwenael

6177. New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-21 23:10:53 UTC
From: lkellar@...
Topic: 6177 Message: 6177

I have a chance to by a used Acom 2000a for about $4800. This unit is about 8 years old and has a older model RCU. MY question for the group is, how much difference is there in the old RCU vs New RCU in regards to operation? Any advice would be appreciated

Thanks
Lawrence

6178. Re: [acom-list] New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-21 23:35:54 UTC
From: Richard Zalewski
Topic: 6177 Message: 6178

I have used both and prefer the old.

On Sun, Dec 21, 2014 at 4:10 PM, lkellar@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> I have a chance to by a used Acom 2000a for about $4800. This unit is
> about 8 years old and has a older model RCU. MY question for the group is,
> how much difference is there in the old RCU vs New RCU in regards to
> operation? Any advice would be appreciated
>
> Thanks
> Lawrence
>
>

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

6179. Sv: [acom-list] New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-22 00:04:51 UTC
From: ragnar otterstad
Topic: 6177 Message: 6179

Irrelevant ! Just a facelift IMHO

73 Rag la5he

Den Mandag, 22. desember 2014 0.10 skrev "lkellar@... [acom-list]"
<acom-list@yahoogroups.com>:

  I have a chance to by a used Acom 2000a for about $4800. This unit is about 8 years old and has a older model RCU. MY question for the group is, how much difference is there in the old RCU vs New RCU in regards to operation? Any advice would be appreciated

Thanks
Lawrence

6180. New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-22 00:09:29 UTC
From: W1JCW
Topic: 6177 Message: 6180

It’s good looking but performs the same functions, has a built in buffer for amp / radio and the CAT tracks the radio freq and tunes accordingly.

When the new RCU came out it was $900 I believe but at $4800 for slightly use that’s a good deal.

I would pick it up.

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, December 21, 2014 6:05 PM
To: acom-list@...m
Subject: Sv: [acom-list] New vs Used

Irrelevant ! Just a facelift IMHO

73 Rag la5he

Den Mandag, 22. desember 2014 0.10 skrev "lkellar@... [acom-list]
<mailto:lkellar@...%20[acom-list]> " <acom-list@yahoogroups.com
<mailto:acom-list@yahoogroups.com> >:

I have a chance to by a used Acom 2000a for about $4800. This unit is about 8 years old and has a older model RCU. MY question for the group is, how much difference is there in the old RCU vs New RCU in regards to operation? Any advice would be appreciated

Thanks
Lawrence

6181. RE: New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-22 02:30:22 UTC
From: Vic Culver
Topic: 6177 Message: 6181

Hi, Lawrence. I've been using the original RCU with the Acom 2000A and it seems to do everything I need done. The new RCU has fancy color, and as a bonus, it does track the transceiver frequency so the amp is always 'on frequency;' but the original controller lets the amp adjust itself automatically and quietly and so presents no problem to ongoing operations. I believe the cost of a new RCU seriously challenges the integrity of a $1,000 U.S. banknote, so if a snappy color display is worth that kind of pocket change, go for it.

There is absolutely no doubt that the amp is well worth having. You won't find many of those on the used market -- and for very good reason. Good luck. 73, Vic, W4VIC

I have a chance to by a used Acom 2000a for about $4800. This unit is about 8 years old and has a older model RCU. MY question for the group is, how much difference is there in the old RCU vs New RCU in regards to operation? Any advice would be appreciated

Thanks
Lawrence

6182. RE: New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-22 13:28:58 UTC
From: david_salomon@...
Topic: 6177 Message: 6182

By the way, there are several software packages that will also track transceiver frequency. You don't need the new RCU to do this. There's TRX-Acom, an addon to TRX-Manager (http://www.trx-manager.com/trxacom.htm), DDUTIL (http://k5fr.com/ddutilwiki/index.php?title=Latest_Revision), and Acom Director (http://www.m0yom.co.uk/). The latter two are free.

I use TRX-Manager / TRX-Acom all the time. The transceiver tracking works perfectly. I also run a Palstar AT-AUTO autotuner. TRX-Manager manages transceiver tracking for it as well. With the AT-AUTO and 2000a automatically tracking, It's like having a 1500 watt transceiver.

73 - David, AG4F

6183. Re: [acom-list] Digest Number 1774

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-23 14:18:56 UTC
From: K2CB
Topic: 6183 Message: 6183

Has anyone been able to get Acom Director to work under Windows 7?

I have not been able to get it to work. The file/menu top bar is missing on the program, and therefore I am unable to get into the program anywhere to set the comport to the correct port number.

At this time I am using DDUtil, which works just fine.

Eric
K2CB

> On Dec 23, 2014, at 6:04 AM, acom-list@yahoogroups.com wrote:
>
> Acom amp reflector Group
> 1 Message Digest #1774
> 1a Re: New vs Used by david_l_salomon
> Message
> 1a Re: New vs Used
> Mon Dec 22, 2014 5:28 am (PST) . Posted by: david_l_salomon
> By the way, there are several software packages that will also track transceiver frequency. You don't need the new RCU to do this. There's TRX-Acom, an addon to TRX-Manager (http://www.trx-manager.com/trxacom.htm), DDUTIL (http://k5fr.com/ddutilwiki/index.php?title=Latest_Revision), and Acom Director (http://www.m0yom.co.uk/). The latter two are free.
>
> I use TRX-Manager / TRX-Acom all the time. The transceiver tracking works perfectly. I also run a Palstar AT-AUTO autotuner. TRX-Manager manages transceiver tracking for it as well. With the AT-AUTO and 2000a automatically tracking, It's like having a 1500 watt transceiver.
>
> 73 - David, AG4F
> Reply to sender . Reply to group . Reply via Web Post . All Messages (6) . Top ^
> VISIT YOUR GROUP New Members 2
> • Privacy • Unsubscribe • Terms of Use

6184. Re: New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-23 14:24:07 UTC
From: K2CB
Topic: 6177 Message: 6184

Has anyone been able to get Acom Director to work under Windows 7?

I have not been able to get it to work. The file/menu top bar is missing on the program, and therefore I am unable to get into the program anywhere to set the comport to the correct port number.

At this time I am using DDUtil, which works just fine.

Eric
K2CB

6185. Re: New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-26 14:19:29 UTC
From: david_salomon@...
Topic: 6177 Message: 6185

This works fine for me under Win7 64-bit. Have you changed the font size in Windows? If so, try setting it back to the default.

6186. Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-26 23:21:10 UTC
From: ricardoea4zk@...
Topic: 6186 Message: 6186

Hello all,

This morning I turned on my 1011 and , what a surprise!!! after heating process no power output, nothing, I measured with an external device and nothing .... The rig has power output but I don't know what is happening, no led blinking everything is as always but... no power!!! any idea??' Can anyone help me???

Thanks

6187. Acom 2000 Low Bias on Power Up

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 11:40:26 UTC
From: w4ax.mack@...
Topic: 6187 Message: 6187

Just one more data point for the archives here. I experienced the dreaded low bias on power up message with my Acom 2000A. After reading the posts here I decided to replace C2, Q1, and Q2. I ordered the parts and spent two hours disassembling and replacing those parts.

I became very suspicious as I replaced those parts because I have very high end test equipment and when I checked the parts they were all perfectly good.

After a quick consultation with Hal, N4GG, he suggested it was probably a bad tube. I swapped a single tube at a time until I discovered the second one was indeed defective and causing the issue.

My lesson learned, I will always try a tube swap for these types of errors before going to component level repair. The defective tube had about 200-300 hours of heater time on it. Both tubes were NOS.

73,

Mack
W4AX

6188. Re: [acom-list] Acom 2000 Low Bias on Power Up

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 12:24:58 UTC
From: dalej
Topic: 6187 Message: 6188

Mack,

The bad tube you found had you replaced it previously or is it the tube that came with the amp when it was new?

Just curious about the tube having only 200 to 300 hours filament time on it seems rather short lived. I once had an Alpha 76CA with original 8874 tubes that were at least 10 years old and still going strong.

Yes, the K.I.S. holds true.

73
Dale, K9VUJ

On 27, Dec 2014, at 5:40, w4ax.mack@... [acom-list] <acom-list@yahoogroups.com> wrote:

Just one more data point for the archives here. I experienced the dreaded low bias on power up message with my Acom 2000A. After reading the posts here I decided to replace C2, Q1, and Q2. I ordered the parts and spent two hours disassembling and replacing those parts.

I became very suspicious as I replaced those parts because I have very high end test equipment and when I checked the parts they were all perfectly good.

After a quick consultation with Hal, N4GG, he suggested it was probably a bad tube. I swapped a single tube at a time until I discovered the second one was indeed defective and causing the issue.

My lesson learned, I will always try a tube swap for these types of errors before going to component level repair. The defective tube had about 200-300 hours of heater time on it. Both tubes were NOS.

73,

Mack
W4AX

6189. Re: Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 14:35:55 UTC
From: on4ct@...
Topic: 6186 Message: 6189

Dear

If there are no alarm leds blinking on the 1011, then check the input form the transceiver. Check the swr : must be around 1:1 , if not ther could be a bad connection betwee tx and amp, or inside the amp a bad connection on the input circuit.

Do you hear cliking the relays ? the input relais ?

Rf power out from the transceiver ?

73
Dirk
on4ct

6190. Acom 1000 Display

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 16:53:37 UTC
From: Mike Harris
Topic: 6190 Message: 6190

Good day,

Suddenly the display on my 1000 has gone haywire. When switching on from the rear panel switch instead of getting the ACOM 1000 notice I see a whole bunch of random rubbish.

In the past I have occasionally seen a single block illuminated on the power bar chart which remains until it is overwritten by the normal power display. If the power level doesn't reach that block it just stays illuminated until powered down.

After a few switch on cycles eventually the display became half normal. At present the lower half of the display is normal and shows all the usual parameters OK. The upper line with the power band currently has a vertical line centred on each of the usual horizontal markers.

Anyone seen anything like this?

Regards,

Mike VP8NO

6191. RE: [acom-list] Acom 1000 Display

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 17:10:56 UTC
From: Kees - pa7two
Topic: 6190 Message: 6191

Hi Mike,

I have seen some strange behaviors of the LCD screen in Acom repairs. All times re-seating the ribbon cables at both (!) ends solved the problem. I hope the same applies for you?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 27 Dec 2014 13:53:37 -0300
Subject: [acom-list] Acom 1000 Display

Good day,

Suddenly the display on my 1000 has gone haywire. When switching on

from the rear panel switch instead of getting the ACOM 1000 notice I see

a whole bunch of random rubbish.

In the past I have occasionally seen a single block illuminated on the

power bar chart which remains until it is overwritten by the normal

power display. If the power level doesn't reach that block it just

stays illuminated until powered down.

After a few switch on cycles eventually the display became half normal.

At present the lower half of the display is normal and shows all the

usual parameters OK. The upper line with the power band currently has a

vertical line centred on each of the usual horizontal markers.

Anyone seen anything like this?

Regards,

Mike VP8NO

6192. question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 21:34:16 UTC
From: E.P
Topic: 6192 Message: 6192

hello and happy holiday to all
i have Acom 1000
on the display when switch on i see 2834v it bit change sometime it go on to 2800v with out me tx at all .
now when i set to cw and press putt on the foot switch i see the high voltage going to 2340v or so
i test this with other power socket i have and monitor the main power as well i do not see it even moving 230+- with a fulk .
is any one can test this for me and let me know what you see first as main high voltage you see on the display is it stable what is the reading you see?
and when you set to FMor cw full power what you see on the Acom display when press PTT
thank you vy 73 elan

6193. RE: [acom-list] question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 22:23:53 UTC
From: Kees - pa7two
Topic: 6192 Message: 6193

Hi Elan,

It is perfectly normal to see fluctuations from the 220v mains displayed in the high voltage readings.

I have done measurements on my mains for a week just for a test. Under no load I see +/- 4 volt difference between day and night in example. These differences are multiplied by the transformer.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 27 Dec 2014 21:34:16 +0000
Subject: [acom-list] question on high voltage Acom 1000

hello and happy holiday to all i have Acom 1000 on the display when switch on i see 2834v it bit change sometime it go on to 2800v with out me tx at all . now when i set to cw and press putt on the foot switch i see the high voltage going to 2340v or so i test this with other power socket i have and monitor the main power as well i do not see it even moving 230+- with a fulk .is any one can test this for me and let me know what you see first as main high voltage you see on the display is it stable what is the reading you see?and when you set to FMor cw full power what you see on the Acom display when press PTT thank you vy 73 elan

6194. Re: [acom-list] question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 22:42:56 UTC
From: Skip Guenter
Topic: 6192 Message: 6194

Mine boobles a bit under no load... 2896 / 2880. It has always done
this and I assume it's normal. It drops to 2480 being driven with 45w
CW on 14.087Mhz into dummy load. Wall outlet reading 244V.

On 12/27/2014 03:34 PM, 'E.P' paimg0uut@... [acom-list] wrote:
> hello and happy holiday to all
> i have Acom 1000
> on the display when switch on i see 2834v it bit change sometime it go
> on to 2800v with out me tx at all .
> now when i set to cw and press putt on the foot switch i see the high
> voltage going to 2340v or so
> i test this with other power socket i have and monitor the main power
> as well i do not see it even moving 230+- with a fulk .
> is any one can test this for me and let me know what you see first as
> main high voltage you see on the display is it stable what is the
> reading you see?
> and when you set to FMor cw full power what you see on the Acom
> display when press PTT
> thank you vy 73 elan
>
> .
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6195. Re: Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-27 23:44:10 UTC
From: ricardoea4zk@...
Topic: 6186 Message: 6195

Hi Dirk,
thanks for the reply, yes I hear clicks from the relay, yes there is power output in the tx.

I'll check the swr and the input circuit but I was using it during the arrl 10 meters contest and it worked vy well.

I let you know

6196. Healthy Tube Regime Parameters ACOM 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 07:17:17 UTC
From: Kees - pa7two
Topic: 6196 Message: 6196

Hi OM Elan,

Please see below about normal values your amplifier should operate. The values also differ per HF band chosen to TX on. (Check below under header "Healthy Tube Regime Parameters ACOM 1000"):

Taken from some Acom technical literature:

Protection parameters ACOM 1000

1. Cooling and exhaust air temperature. On switch-on, the fan speeds

up for a moment in order to easily get started if mains voltage is

lowered. After that, the fan speed is controlled as follows:

- while in OPERATE, it speeds up when exh. air temperature increases

above 90C (194F). It slows down when temp. falls below 80C (176F).

At 130C (266F) you'll get a warning message (still operating). Above

150C (302F) it will go to STBY.

- while in STBY, fan speeds up above 100C (212F) and slows down

below 70C (158F). It will shut down above 165C (329F) but the fan

will continue running with a "still cooling tube" message, until

temp. drops below 70C (158F).

2. Reflected power above 300W: go to STBY.

3. Screen grid current above 80mA or control grid current above

10mA: go to STBY (but you can't measure the control grid current by

the RCU).

4. Plate current:

- above 700mA: warning message on the LCD;

- above 800mA for 4s: go to STBY;

- above 1.2A: immediately OFF.

5. HV below 1800V or above 3300V: OFF (Bad mains input voltage or HV

rectifier problem assumption).

6. Drive power:

- above 90W: warning message on the LCD;

- above 120W: go to STBY.

7. Power gain below 9.5dB and above 16dB: set the input attenuator (bad tuning is assumptive).

8. Arc fault: check the RF path to the antenna as well as the antenna itself for bad connections or insulation.

9. Hot Switching: check control cables to the transceiver or transceiver's RF-to-transmit request timing.

10. Low air: check whether the air inlet and exhaust openings are not obstructed, or check the blower itself.

Healthy Tube Regime Parameters ACOM 1000

During RX: +2750...2770V anode voltage; SG voltage +340V for operate and +12V for standby; Bias voltage -120V; Anode current below 1mA.

With PTT only: +2700V anode and same SG voltages; Bias voltage between -65 and -75V, set for a 70mA low-level anode idling current, depending on the tube specimen.

With PTT and very small RF drive: +2600V anode voltage, same SG voltage; Bias voltage between -45 and -60V, set for a 220mA high-level anode idling current, depending on the tube specimen.

During TX, 1000W (external wattmeter) @ 14MHz: +2380...2400V DC anode voltage, same SG voltage, and 510-520mA DC anode current. The SG current depends on the tube specimen but is usually between 10 and 20mA. The RF anode amplitude (as measured on the LCD) must be 150-200V below the measured DC anode voltage.

On higher bands, the anode current gradually increases up to 560-580mA on 52MHz and the DC anode voltage is around 2350V at the same time (provided the mains is not "soft").

The power gain on 14MHz is 12...12,5dB up to 900-950W and it

slightly decreases (-0,5dB) to 1000W. On the higher bands, the power

gain might increase to about +1dB.

When ACOM1000 is normally loaded and tuned, the screen current is

typically zero below 35-40W drive power and it begins to flow above

40W drive. Further increasing the drive, the screen current steeply

increases, saturating to about 55-60mA at a 70-75W drive level. A

current limiter is involved at this threshold.

The screen current might not appear if the plate loading resistance

is too low, thus the anode instant voltage not reaching a low-enough

value to approach the SG voltage for a higher SG current.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Sun, 28 Dec 2014 00:12:50 +0000
From: paimg0uut@...
Subject: Fw: [acom-list] question on high voltage Acom 1000
To: pa7two@...

hello Kees thank you for the info however what you see under load on the high voltage ?
since i see in you tube this guy from Canada have the same as i see under load 2320v
https://www.youtube.com/watch?v=U1q00XG690g&spfreload=1
look on all the video about mid way you see . wonder what your reading under load on the high power 73 happy new year thank you
elan g0uut
----- Forwarded Message -----
From: "Kees - pa7two pa7two@... [acom-list]" <acom-list@yahoogroups.com>
To: ACOM Reflector site <acom-list@yahoogroups.com>
Sent: Saturday, 27 December 2014, 22:23
Subject: RE: [acom-list] question on high voltage Acom 1000

Hi Elan,

It is perfectly normal to see fluctuations from the 220v mains displayed in the high voltage readings.

I have done measurements on my mains for a week just for a test. Under no load I see +/- 4 volt difference between day and night in example. These differences are multiplied by the transformer.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 27 Dec 2014 21:34:16 +0000
Subject: [acom-list] question on high voltage Acom 1000

hello and happy holiday to all i have Acom 1000 on the display when switch on i see 2834v it bit change sometime it go on to 2800v with out me tx at all . now when i set to cw and press putt on the foot switch i see the high voltage going to 2340v or so i test this with other power socket i have and monitor the main power as well i do not see it even moving 230+- with a fulk .is any one can test this for me and let me know what you see first as main high voltage you see on the display is it stable what is the reading you see?and when you set to FMor cw full power what you see on the Acom display when press PTT thank you vy 73 elan

6197. Re: question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 07:33:58 UTC
From: on4ct@...
Topic: 6192 Message: 6197

Elan

It is normal that there is a voltage drop under load.
the losses are :
- voltage drop in the grid, voltage goes up and down by a few volt during the day/night
- losses in your home 'grid' due to resistance in the wire, connections, ... (cupper losses)
The best is a wire of 2.5 mm ² , the losses depending on the length and other loads on the same wire.
- losses in the transformator , also cupper losses .

You can measure the voltage drop at the plug in the shack with an without load , lets say a 2kw load
You can use therefore an other load e.g. an electric heater.
You can improve the losses by using a grid only for your shack or even only for the lineair, using at least 2.5 mm² for shorter runs or even 4mm² wires, with a fuse of C16A or C20A . The PE wire (groud) also 2.5 or 4 mm².
While the acom 1000 needs only about 9 A, the 2000 needs 12- 14 A.. These currents are mean ones, the peaks are much higher because when loading a capaictor bank there is almost a short for a fraction of a second (1/100 s). Not even the fuses are fast enough to 'pop' at these peaks. These peaks can be 10x the mean current, and there fore it is necessary to have a good built home grid.

73
Dirk
on4ct

6198. Re: Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 09:23:16 UTC
From: ricardoea4zk@...
Topic: 6186 Message: 6198

Hello agn,
Swr is fine, and clicks also, but I see a new thing, while the amp is heating and led is blinking y transmitt with the rig and power is shown in the leds of the amp. But once is ready to use there is no power going into the amp, or at least there is no reading in the bar led display.

any help????

6199. Re: Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 10:34:49 UTC
From: on4ct@...
Topic: 6186 Message: 6199

Hallo

I think it is normal that the amplier leds show the power while the tube is heating, the amplifier status is then in stand by.
In stand by mode, you have to see also the power leds light up when transmitting.

So, when the amp is ready to transmit and you press operate there is no amplification of the input signal ?
I would check the input some voltages inside : the screen, the bias , ...
There are some test points on the boards.
Warning : lethal voltages inside

do you have the schematics ?

Dirk
on4ct

6200. RE: [acom-list] Re: question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 11:42:46 UTC
From: Kees - pa7two
Topic: 6192 Message: 6200

Thanks Dirk for your input. It is common sense to take that approach I think.

I did exactly the same, replaced the 1.5 mm² for 2.5 mm² wires. Also rewired the whole house from 1 mains phase to 3, whereof phase 1 is solely in use for the shack. (No other electric apparatus is connected to phase 1 than shack equipment). Also intall a 30 Amp mains filter to keep the rubbish out of the mains and some ferrite clamps (model 43) avoids currents floating while pushing RF into the sky. Installed here in the shack, and operates without any error for 9 years now.

Result: A 3 volt drop under 10 amps load :-)

For the Acom 1000 is a 10amp SLOW fuse more then sufficient. The GU74B tube was designed for 750 Watt maximum (although also used in pulse systems, but that is a different operating mode) so far less than 10 amps is what the amp takes.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 27 Dec 2014 23:33:58 -0800
Subject: [acom-list] Re: question on high voltage Acom 1000

Elan

It is normal that there is a voltage drop under load.
the losses are :
- voltage drop in the grid, voltage goes up and down by a few volt during the day/night
- losses in your home 'grid' due to resistance in the wire, connections, ... (cupper losses)
The best is a wire of 2.5 mm ² , the losses depending on the length and other loads on the same wire.
- losses in the transformator , also cupper losses .

You can measure the voltage drop at the plug in the shack with an without load , lets say a 2kw load
You can use therefore an other load e.g. an electric heater.
You can improve the losses by using a grid only for your shack or even only for the lineair, using at least 2.5 mm² for shorter runs or even 4mm² wires, with a fuse of C16A or C20A . The PE wire (groud) also 2.5 or 4 mm².
While the acom 1000 needs only about 9 A, the 2000 needs 12- 14 A.. These currents are mean ones, the peaks are much higher because when loading a capaictor bank there is almost a short for a fraction of a second (1/100 s). Not even the fuses are fast enough to 'pop' at these peaks. These peaks can be 10x the mean current, and there fore it is necessary to have a good built home grid.

73
Dirk
on4ct

6201. Re: [acom-list] Re: question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 13:55:41 UTC
From: E.P
Topic: 6192 Message: 6201

hello Kees
i thank you so much for the info it is great , what wire i need for the electric cable i need and what fire on the box in the house
HAAPY NEW YEAR TO YOU AND FAMILY
VY 73 ELAN G0UUT/DL9FCC

From: "Kees - pa7two pa7two@... [acom-list]" <acom-list@yahoogroups.com>
To: ACOM Reflector site <acom-list@yahoogroups.com>
Sent: Sunday, 28 December 2014, 11:42
Subject: RE: [acom-list] Re: question on high voltage Acom 1000

Thanks Dirk for your input. It is common sense to take that approach I think.

I did exactly the same, replaced the 1.5 mm² for 2.5 mm² wires. Also rewired the whole house from 1 mains phase to 3, whereof phase 1 is solely in use for the shack. (No other electric apparatus is connected to phase 1 than shack equipment). Also intall a 30 Amp mains filter to keep the rubbish out of the mains and some ferrite clamps (model 43) avoids currents floating while pushing RF into the sky. Installed here in the shack, and operates without any error for 9 years now.

Result: A 3 volt drop under 10 amps load :-)

For the Acom 1000 is a 10amp SLOW fuse more then sufficient. The GU74B tube was designed for 750 Watt maximum (although also used in pulse systems, but that is a different operating mode) so far less than 10 amps is what the amp takes.

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 27 Dec 2014 23:33:58 -0800
Subject: [acom-list] Re: question on high voltage Acom 1000

Elan

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- voltage drop in the grid, voltage goes up and down by a few volt during the day/night
- losses in your home 'grid' due to resistance in the wire, connections, ... (cupper losses)
  The best is a wire of 2.5 mm ² , the losses depending on the length and other loads on the same wire.

- losses in the transformator , also cupper losses .

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You can use therefore an other load e.g. an electric heater.
You can improve the losses by using a grid only for your shack or even only for the lineair, using at least 2.5 mm² for shorter runs or even 4mm² wires, with a fuse of C16A or C20A . The PE wire (groud) also 2.5 or 4 mm².
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73
Dirk
on4ct

6202. Re: [acom-list] Re: question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 15:16:11 UTC
From: on4ct@...
Topic: 6192 Message: 6202

Elan
For wiring a good electrical grid to your shack it is best to use at least
2,5 mm², for a fuse use a 16 A (wich is ok with the electrical code)

The acom 1000 uses max. 10 A, 6 A are still available for ohter stuff in the shack.

If the run of cable is more than 15 m, I should use 4 mm² , still with
a 16 A fuse at the box. And if you ever want to use a bigger brother '2000' ... maybe under the next x mas three...

gl
and happy new year for you and yours.

73
Dirk

6203. Re: Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 16:31:56 UTC
From: ricardoea4zk@...
Topic: 6186 Message: 6203

Hello Dirk,

yes that is the problem, with the amp ready to transmit there is no amplification of the input signal.

no, I dont have the schematics.

thanks

6204. Re: [acom-list] Re: question on high voltage Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 17:35:18 UTC
From: E.P
Topic: 6192 Message: 6204

hello Dirk
great info i don't think it will be 15m long , however i will call electricity company to come and do it for me at the moment morning time is good i get 2880v to 2890v
tx 2675 v to 2700 v in the evening is different since to many people have xmas light and more electricity in the street hi hi
many thanks again for this good info
HAPPY NEW YEAER 2015
ELAN G0UUT/DL9FCC

From: "on4ct@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Sunday, 28 December 2014, 15:16
Subject: Re: [acom-list] Re: question on high voltage Acom 1000

Elan
For wiring a good electrical grid to your shack it is best to use at least
2,5 mm², for a fuse use a 16 A (wich is ok with the electrical code)

The acom 1000 uses max. 10 A, 6 A are still available for ohter stuff in the shack.

If the run of cable is more than 15 m, I should use 4 mm² , still with
a 16 A fuse at the box. And if you ever want to use a bigger brother '2000' ... maybe under the next x mas three...

gl
and happy new year for you and yours.

73
Dirk

6205. Re: [acom-list] Re: Acom 1011 no power output

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-28 19:23:43 UTC
From: Mike Harris
Topic: 6186 Message: 6205

Do you have the handbook simplified schematic?

Regards,

Mike VP8NO

On 28/12/2014 13:31, ricardoea4zk@... [acom-list] wrote:
> Hello Dirk,
>
> yes that is the problem, with the amp ready to transmit there is no amplification of the input signal.
>
> no, I dont have the schematics.
>
> thanks
>

6206. Re: New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-30 23:29:24 UTC
From: lkellar@...
Topic: 6177 Message: 6206

Just an update....I picked up the Acom 2000a today. It has a replacement original RCU. When you turn it on you get an error stating the serial numbers doesn't match. This does not affect the operation of the amplifier. I am looking forward to getting it on the air. Thanks for all of the good advice

Lawrence
KB5ZZB

6207. Re: [acom-list] Re: New vs Used

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-31 00:43:54 UTC
From: Jim Cox
Topic: 6177 Message: 6207

Yep, kind of a nuisance but as you say it doesn’t hurt the performance.. Wish there was some way to sync the serial numbers up so you didn’t see this “error” message every time you turn the 2000 on. You will enjoy the 2K, wonderful amplifier.. 73s Jim K4JAF

From: mailto:acom-list@yahoogroups.com
Sent: Tuesday, December 30, 2014 5:29 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: New vs Used

Just an update....I picked up the Acom 2000a today. It has a replacement original RCU. When you turn it on you get an error stating the serial numbers doesn't match. This does not affect the operation of the amplifier. I am looking forward to getting it on the air. Thanks for all of the good advice

Lawrence
KB5ZZB

6208. 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-31 12:20:30 UTC
From: david@...
Topic: 6208 Message: 6208

I seem to recall this has been covered but a search of the postings did not reveal it...
My 2000A has been in storage (indoor, dry, room temp) for 4 years since I relocated from California to UK.
I'd like to get it back in service, but believe there should be some caution re potential dried-out electrolytics, gassy tubes etc.
Any of the fine minds on here got recommendations for startup?
TIA
David G3WGN WJ6O

6209. Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-31 12:32:20 UTC
From: la5he@...
Topic: 6208 Message: 6209

I would start with a variac at say 100 V and gradually crank up to 230 the next day.

73 Rag la5he

6210. HNY to all Acom users from PA7TWO!

Yahoo group: acom-list (2010 — 2016)
Date: 2014-12-31 19:03:25 UTC
From: Kees - pa7two
Topic: 6210 Message: 6210

I wish you HNY and lots of DX in the year 2015!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

6211. 2015

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 11:32:50 UTC
From: ea8yg@...
Topic: 6211 Message: 6211

[Body unavailable in the source archive]

6212. Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 12:12:06 UTC
From: David Aslin G3WGN
Topic: 6208 Message: 6212

Thanks Rag.
That was my first thought too, but I seem to think there were other recommendations - maybe from Bob or Jay at Array Solutions?
Happy New Year and good DX & contest success in 2015 to all
73
David G3WGN M6O

Re: 2000A startup after long storage <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6209;_ylc=X3oDMTJxbHB2bGg5BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYyMDkEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQyMDExMzg3NA-->
Wed Dec 31, 2014 4:32 am (PST) . Posted by:
la5he <mailto:la5he@...?subject=Re%3A%202000A%20startup%20after%20long%20storage>
I would start with a variac at say 100 V and gradually crank up to 230 the next day.

73 Rag la5he

6213. Re: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 12:37:17 UTC
From: Jim Idelson
Topic: 6208 Message: 6213

What will your 240v Acom 2000A do when meeting with 100v on the power cord? It will quote HAL and say, "Sorry, Dave. I can't do that." And then shut down.

I think you plug her in as normal and see what happens.

73 es HNY,

Jim

Jim K1IR

On January 1, 2015 7:12:06 AM EST, "David Aslin G3WGN david@... [acom-list]" <acom-list@yahoogroups.com> wrote:
>Thanks Rag.
>That was my first thought too, but I seem to think there were other
>recommendations - maybe from Bob or Jay at Array Solutions?
>Happy New Year and good DX & contest success in 2015 to all
>73
>David G3WGN M6O
>----------
>Re: 2000A startup after long storage
><https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6209;_ylc=X3oDMTJxbHB2bGg5BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYyMDkEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQyMDExMzg3NA-->
>Wed Dec 31, 2014 4:32 am (PST) . Posted by:
>la5he
><mailto:la5he@...?subject=Re%3A%202000A%20startup%20after%20long%20storage>
>I would start with a variac at say 100 V and gradually crank up to 230
>the next day.
>
>
>73 Rag la5he

--
Sent from my Android device with K-9 Mail. Please excuse my brevity.

6214. Re: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 12:51:20 UTC
From: Mike Harris
Topic: 6208 Message: 6214

But only leave it on for a few minutes to start with just in case the
big caps are leaking too much. Bring the duration up slowly to give
them chance to reform. That is unless the design of big caps has
changed significantly. Better than blowing their guts all over the inside.

Regards,

Mike VP8NO

On 01/01/2015 09:37, Jim Idelson k1ir@... [acom-list] wrote:
> What will your 240v Acom 2000A do when meeting with 100v on the power cord? It will quote HAL and say, "Sorry, Dave. I can't do that." And then shut down.
>
> I think you plug her in as normal and see what happens.
>
> 73 es HNY,
>
> Jim
>
> Jim K1IR

6215. Re: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 13:33:41 UTC
From: Zoli Pitman HA1AG
Topic: 6208 Message: 6215

Hi David,

I would remove the two Molex connector pins of the filament voltage from the mains transformer big Molex connector. (You can do it with an appropriately think plier) and connect those two *only* to the molex connector pair. It is a good time to check if they are oxidized (often they are after many years).

I would run the tube with only heating on for a day or so. Then connect reinsert the two filament pins into the molex connector and connect the molex connector pair normally.

Usual disclaimers apply: No liability accepted. Proceed on your own risk.

73!,

Zoli HA1AG

On 1/1/2015 13:12, David Aslin G3WGN david@... [acom-list] wrote:
>
> Thanks Rag.
>
> That was my first thought too, but I seem to think there were other
> recommendations ? maybe from Bob or Jay at Array Solutions?
>
> Happy New Year and good DX & contest success in 2015 to all
>
> 73
>
> David G3WGN M6O
>

6216. Re: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 13:38:32 UTC
From: Dean St. Hill
Topic: 6208 Message: 6216

I am not an A2000 owner but have the A1000.

I have had a similar scenario with the A1000 and all I did was plug it in. Let the internal diagnostics do their thing and let it run for a couple hours before applying RF. My theory was - these are "smart" amps - so just let them do their thing.

YMMV. And I'm no amp expert!!!

Happy New Year

Dean - 8P6SH

On Thu, Jan 1, 2015 at 8:12 AM, David Aslin G3WGN david@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Thanks Rag.
>
> That was my first thought too, but I seem to think there were other
> recommendations – maybe from Bob or Jay at Array Solutions?
>
> Happy New Year and good DX & contest success in 2015 to all
>
> 73
>
> David G3WGN M6O
>
>
> ---------- Re: 2000A startup after long storage
> <https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6209;_ylc=X3oDMTJxbHB2bGg5BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYyMDkEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQyMDExMzg3NA--> Wed
> Dec 31, 2014 4:32 am (PST) . Posted by: la5he
> <la5he@yahoo.no?subject=Re%3A%202000A%20startup%20after%20long%20storage>
>
> I would start with a variac at say 100 V and gradually crank up to 230 the
> next day.
>
>
> 73 Rag la5he
>
>

>
>
>
>
>

--
Dean St.Hill

Counterpoint Communications Inc
17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

6217. Sv: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 17:31:48 UTC
From: ragnar otterstad
Topic: 6208 Message: 6217

Of course, it can do harm asking the factory what they recommend !
HNY
Rag LA5HE

Den Torsdag, 1. januar 2015 14.38 skrev "'Dean St. Hill' dmsthill@... [acom-list]" <acom-list@yahoogroups.com>:

  I am not an A2000 owner but have the A1000.
I have had a similar scenario with the A1000 and all I did was plug it in. Let the internal diagnostics do their thing and let it run for a couple hours before applying RF. My theory was - these are "smart" amps - so just let them do their thing.
YMMV. And I'm no amp expert!!!

Happy New Year
Dean - 8P6SH
On Thu, Jan 1, 2015 at 8:12 AM, David Aslin G3WGN david@... [acom-list] <acom-list@yahoogroups.com> wrote:

  Thanks Rag.That was my first thought too, but I seem to think there were other recommendations – maybe from Bob or Jay at Array Solutions?Happy New Year and good DX & contest success in 2015 to all73David G3WGN M6O----------
---

Re: 2000A startup after long storage

Wed Dec 31, 2014 4:32 am (PST) . Posted by:

la5he
I would start with a variac at say 100 V and gradually crank up to 230 the next day.

73 Rag la5he

--
Dean St.Hill
Counterpoint Communications Inc17 Ocean CitySt.PhilipBarbados
246-825-2039246-416-5277
dmsthill@gmail.com

6218. RE: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 19:35:34 UTC
From: Ron Castro
Topic: 6208 Message: 6218

I would agree…just plug it in and let the internal diagnostics take over. Operating at a much lower voltage will cause the CPU and other digital circuitry to not operate, and the amp may not come on at all. I can't say that it might damage the amp, but I can't rule it out either. I would let it run in standby for an hour or so before running at full power.

Most of the problems with low ESR electrolytic capacitors were traced to a manufacturing problem in Taiwan that existed in the early 2000's and was fully discovered by around 2003. Equipment manufactured in those early years might have had the capacitor problems (Google "capacitor plague") and probably would have failed by around 2007 to 2008. Big electolytics can still fail if left on the shelf too long, like 'boat anchor' equipment that hasn't been powered on for decades.

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

Society of Broadcast Engineers

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: January 1, 2015 5:39 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: 2000A startup after long storage

I am not an A2000 owner but have the A1000.

I have had a similar scenario with the A1000 and all I did was plug it in. Let the internal diagnostics do their thing and let it run for a couple hours before applying RF. My theory was - these are "smart" amps - so just let them do their thing.

YMMV. And I'm no amp expert!!!

Happy New Year

Dean - 8P6SH

On Thu, Jan 1, 2015 at 8:12 AM, David Aslin G3WGN david@... [acom-list] <acom-list@yahoogroups.com> wrote:

Thanks Rag.

That was my first thought too, but I seem to think there were other recommendations – maybe from Bob or Jay at Array Solutions?

Happy New Year and good DX & contest success in 2015 to all

73

David G3WGN M6O

<https://groups.yahoo.com/neo/groups/acom-list/conversations/topics/6209;_ylc=X3oDMTJxbHB2bGg5BF9TAzk3MzU5NzE1BGdycElkAzExODcyNTYEZ3Jwc3BJZAMxNzA1MDYzMTA4BG1zZ0lkAzYyMDkEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQyMDExMzg3NA--> Re: 2000A startup after long storage

Wed Dec 31, 2014 4:32 am (PST) . Posted by:

<mailto:la5he@...?subject=Re%3A%202000A%20startup%20after%20long%20storage> la5he

I would start with a variac at say 100 V and gradually crank up to 230 the next day.

73 Rag la5he

--

Dean St.Hill

Counterpoint Communications Inc

17 Ocean City

St.Philip

Barbados

246-825-2039

246-416-5277

dmsthill@...

6219. Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 22:17:25 UTC
From: joe_word@...
Topic: 6219 Message: 6219

Is there some way to setup the Acom 1010 so it will go to Stand By instead of Operate after warmup? If I turn on the amp while in QSO, I do not want to drive the amp with 100 watts after it warms up.

Thanks,

Joe N9VX

6220. Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 00:01:16 UTC
From: Bob Olschwang
Topic: 6219 Message: 6220

I have an Acom 1000, and it has an "auto operate" feature, which places the amp in operate after warmup. It can be turned off so it just goes to standby after warmup. Check the manual to see if the 1010 has the same feature, and how to change it.

Sent from my iPad

6221. Re: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 06:13:23 UTC
From: <aivers30868@...>
Topic: 6208 Message: 6221

I am a part time resident (5Months broken up during the year) to my Cayman station- ZF2ah, I live at W6vnr. ?I keep my acom 2000 there for moths on end in a ''PARKERIZED CONTAINER" THERE, i have never had issues with storage that way. ?i put the radio on the desk and all works. after months of storage. Every time

Joe, w6vnr

-----Original Message-----
From: "David Aslin G3WGN david@... [acom-list]"
Sent: Jan 1, 2015 4:12 AM
To: "acom-list@yahoogroups.com"
Subject: [acom-list] Re: 2000A startup after long storage

Thanks Rag.
That was my first thought too, but I seem to think there were other recommendations - maybe from Bob or Jay at Array Solutions?
Happy New Year and good DX & contest success in 2015 to all
73
David G3WGN M6O

Re: 2000A startup after long storage
Wed Dec 31, 2014 4:32 am (PST) . Posted by:
la5he
I would start with a variac at say 100 V and gradually crank up to 230 the next day.

73 Rag la5he

6222. Acom 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 16:32:10 UTC
From: w9cla@...
Topic: 6222 Message: 6222

I am a new Acom 2000A owner (a new one) and I was looking for a URL where I could download the Acom Technical Supplement as it does not come with their manual. I know this topic has been previously posted but I never found a link to a download location. I emailed Acom's Service Center person on the east coast but never got an answer. Does anyone know where I can locate the manual?

Craig W9CLA

6223. Re: [acom-list] Acom 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 18:34:07 UTC
From: dalej
Topic: 6222 Message: 6223

Hello Craig de Dale, K9VUJ Bloomington

You might check with Array Solutions. I'm not sure if there is any additional service manual available. If so I'd like to have a copy too.

73
Dale, k9vuj

On 02, Jan 2015, at 10:32, w9cla@... [acom-list] <acom-list@yahoogroups.com> wrote:

I am a new Acom 2000A owner (a new one) and I was looking for a URL where I could download the Acom Technical Supplement as it does not come with their manual. I know this topic has been previously posted but I never found a link to a download location. I emailed Acom's Service Center person on the east coast but never got an answer. Does anyone know where I can locate the manual?

Craig W9CLA

6224. Re: Acom 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 19:36:17 UTC
From: la5he@...
Topic: 6222 Message: 6224

Go to ACOMs website

73 Rag LA5HE

6225. Acom 2000A vertical?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 21:34:43 UTC
From: Tom_N2SR
Topic: 6225 Message: 6225

Hi All,

I recently purchased a used Acom 2000A. I've used them in the past at a multi-op contesting environment, so I basically know how to use one.

Since the amp does not have to be on the desktop, would there by any harm to the tubes or any other components by running the amplifier vertically? That is, turn the amplifier turned on its side, with the Acom 2000A label horizontal, power supply (transformer on the bottom) ?

I assume the amp would be fine, but I'm not sure about the tubes.

Thanks!

Tom, N2SR

6226. Re: [acom-list] Acom 2000A vertical?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-02 22:25:50 UTC
From: Sigismonti Ronald
Topic: 6225 Message: 6226

Tom, I 'm not sure about the ACOM, but most amplifier tubes with closely spaced elements (particularly cathode to grid) the chance of sagging grid wires is increased when mounted horizontally. The most common failure in the GU-74B is control grid to cathode shorts. I would avoid mounting the amp vertically.

HNY,
Sig

Sent from my iPhone

> On Jan 2, 2015, at 4:34 PM, "Tom_N2SR tom_n2sr@... [acom-list]" <acom-list@yahoogroups.com> wrote:
>
> Hi All,
>
> I recently purchased a used Acom 2000A. I've used them in the past at a multi-op contesting environment, so I basically know how to use one.
>
> Since the amp does not have to be on the desktop, would there by any harm to the tubes or any other components by running the amplifier vertically? That is, turn the amplifier turned on its side, with the Acom 2000A label horizontal, power supply (transformer on the bottom) ?
>
> I assume the amp would be fine, but I'm not sure about the tubes.
>
> Thanks!
>
> Tom, N2SR
>
>

6227. Sv: [acom-list] Acom 2000A vertical?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-03 00:07:07 UTC
From: ragnar otterstad
Topic: 6225 Message: 6227

This is a question I would definately ask the factory !
73 rag la5he

Den Fredag, 2. januar 2015 23.25 skrev "Sigismonti Ronald n3rs@verizon.net [acom-list]" <acom-list@yahoogroups.com>:

  Tom, I 'm not sure about the ACOM, but most amplifier tubes with closely spaced elements (particularly cathode to grid) the chance of sagging grid wires is increased when mounted horizontally. The most common failure in the GU-74B is control grid to cathode shorts. I would avoid mounting the amp vertically.
HNY,Sig

Sent from my iPhone
On Jan 2, 2015, at 4:34 PM, "Tom_N2SR tom_n2sr@... [acom-list]" <acom-list@yahoogroups.com> wrote:

  Hi All,

I recently purchased a used Acom 2000A. I've used them in the past at a multi-op contesting environment, so I basically know how to use one.

Since the amp does not have to be on the desktop, would there by any harm to the tubes or any other components by running the amplifier vertically? That is, turn the amplifier turned on its side, with the Acom 2000A label horizontal, power supply (transformer on the bottom) ?

I assume the amp would be fine, but I'm not sure about the tubes.

Thanks!

Tom, N2SR

6228. Re: Acom 2000A vertical?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-03 08:20:56 UTC
From: on4ct@...
Topic: 6225 Message: 6228

the gu74b is designed for stationnary and mobile communications.
Any position is allowed, for rough mobile use there is a special socket where the tube is hold.

for the 2000a no problem.

73
Dirk
on4ct

6229. Re: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-04 17:37:52 UTC
From: david@...
Topic: 6208 Message: 6229

Thanks for all the helpful replies.
My conclusions:
- Starting up on Variac maybe does not make sense in this case, given the likely effect of low mains voltage on the control logic/circuitry. It's my standard practice for boatanchor kit, but is not in the cards for the 2000A
- the amp is smart, but I want to give it the best chances I can, so "switch on and hope" isn't my preference
- the star - or "start" ;-) prize goes to Zoli. I have the pins pulled and the amp gently cooking...
Another exciting installment in a day or two...
73 David G3WGN WJ6O

6230. Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-04 19:45:54 UTC
From: joe_word@...
Topic: 6219 Message: 6230

Anyone know the answer to this question?

Joe N9VX

6231. Re: [acom-list] Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-04 22:08:56 UTC
From: Mike Harris
Topic: 6219 Message: 6231

G'day,

Checking the manuals for both the 1010 and 1011, neither offer the
auto-operate enable/disable function available on the 1000 and 1500.

Regards,

Mike VP8NO

On 04/01/2015 16:45, joe_word@... [acom-list] wrote:
> Anyone know the answer to this question?
>
> Joe N9VX
>

6232. Icom CI-V iinterface problem Acom 200A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-04 22:47:24 UTC
From: w9cla@...
Topic: 6232 Message: 6232

I just got my new Acom 2000A (latest series with new RCU) hooked up and it will change frequencies by sensing the RF but it is not tracking with the Icom CI-V CAT interface connected. I selected the Icom Cat in the setup menu, made a cable with eh required (2) 510 Ohm resistors to pins 2 & 3 with ground don Pin 5 but nothing happens. Anything I am missing here?

Craig W9CLA

6233. RE: [acom-list] Icom CI-V iinterface problem Acom 200A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-04 23:09:12 UTC
From: Bill Hider
Topic: 6232 Message: 6233

Craig,

Are you using a PC in your CAT configuration?

What Icom Radio are you using?

Have you programmed your radio’s CIV buss speed the same as the ACOM CIV buss speed?

What CIV interface are you using: ICOM CT-7? Or something else?

If you are using a PC, take the PC off the CIV buss & try again directly connecting ACOM to CIV and ICOM radio to CIV.

Once I get your answers to the above, I can probably add more comments.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, January 04, 2015 5:47 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Icom CI-V iinterface problem Acom 200A

I just got my new Acom 2000A (latest series with new RCU) hooked up and it will change frequencies by sensing the RF but it is not tracking with the Icom CI-V CAT interface connected. I selected the Icom Cat in the setup menu, made a cable with eh required (2) 510 Ohm resistors to pins 2 & 3 with ground don Pin 5 but nothing happens. Anything I am missing here?

Craig W9CLA

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4257/8868 - Release Date: 01/04/15

6234. Re: [acom-list] Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-05 06:01:07 UTC
From: Jay Nation
Topic: 6219 Message: 6234

No, there is no Auto "do not auto operate setting" or Auto "adjust the drive on the exciter" setting, according to the manual
The Acom 1500 has a feature that lets you disable "auto operate after warmup" but the 1010 doesn't have that. With my Flex I run DDUtil which resets my drive level to the proper setting when I press the operate button on DDUtil it toggles my drive level from 100 for barefoot operation to the 81 level I use with the Acom. Still I have to click that button and remember to click that button when it needs to be clicked. Ham radio is hard. you actually have to do things, OMG :-) :-)
On 1/4/2015 1:45 PM, joe_word@... [acom-list] wrote:
>
> Anyone know the answer to this question?
>
> Joe N9VX
>
>

6235. Re: Sv: [acom-list] Re: 2000A startup after long storage

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-01 19:46:49 UTC
From: Dean St. Hill
Topic: 6208 Message: 6235

Of course it could :-) Seriously if an opinion is asked one is given. If you're gonna ask the manufacturer there are other ways to do so. If the list is asked then we'll give our best answers.

Have a happy New Year.

Dean 8P6SH

Sent from my BLU Smartphone Device

On Jan 1, 2015 1:31 PM, "ragnar otterstad la5he@yahoo.no [acom-list]" <acom-list@yahoogroups.com> wrote:
>
>
>
> Of course, it can do harm asking the factory what they recommend !
>
> HNY
>
> Rag LA5HE
>
>
> Den Torsdag, 1. januar 2015 14.38 skrev "'Dean St. Hill' dmsthill@gmail.com [acom-list]" <acom-list@yahoogroups.com>:
>
>
>
> I am not an A2000 owner but have the A1000.
>
> I have had a similar scenario with the A1000 and all I did was plug it in. Let the internal diagnostics do their thing and let it run for a couple hours before applying RF. My theory was - these are "smart" amps - so just let them do their thing.
>
> YMMV. And I'm no amp expert!!!
>
>
> Happy New Year
>
> Dean - 8P6SH
>
> On Thu, Jan 1, 2015 at 8:12 AM, David Aslin G3WGN david@aslinvc.com [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>>
>> Thanks Rag.
>> That was my first thought too, but I seem to think there were other recommendations –

maybe from Bob or Jay at Array Solutions?
>> Happy New Year and good DX & contest success in 2015 to all
>> 73
>> David G3WGN M6O
>> ----------

>> Re: 2000A startup after long storage

6236. Re: [acom-list] Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-06 11:43:08 UTC
From: joe_word@...
Topic: 6219 Message: 6236

In this case it is not the remembering that is the issue, if you are running 100 watts bare foot and the amp finishes it's warmup in the middle of a transmission, then you blast 100 watts drive into the amp. Guess I will have to put a switch in the amp keying cable.

Thanks to all who replied.

Joe N9VX

6237. Re: [acom-list] Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-06 17:06:29 UTC
From: Skip Guenter
Topic: 6219 Message: 6237

Joe, TS-590S has a menu option to turn off amp keying. Maybe ur radio
does also?

On 01/06/2015 05:43 AM, joe_word@... [acom-list] wrote:
>
> In this case it is not the remembering that is the issue, if you are
> running 100 watts bare foot and the amp finishes it's warmup in the
> middle of a transmission, then you blast 100 watts drive into the amp.
> Guess I will have to put a switch in the amp keying cable.
>
> Thanks to all who replied.
>
> Joe N9VX
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6238. RE: [acom-list] Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 15:32:14 UTC
From: Kees - pa7two
Topic: 6219 Message: 6238

Hi Joe,

1st of all, HNY!

The stated below is a down side of an tube amplifier, waiting until the tubes are warm enough to TX. If that is supposed to be an issue, why not chosen for a solid state amp instead?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 6 Jan 2015 11:06:29 -0600
Subject: Re: [acom-list] Re: Acom 1010 Setup

Joe, TS-590S has a menu option to turn off amp keying. Maybe ur
radio does also?

On 01/06/2015 05:43 AM,
joe_word@... [acom-list] wrote:

In this case it is not the remembering that is the issue,
if you are running 100 watts bare foot and the amp
finishes it's warmup in the middle of a transmission, then
you blast 100 watts drive into the amp. Guess I will have
to put a switch in the amp keying cable.

Thanks to all who replied.

Joe N9VX

--

S. R. 'Skip' Guenter, K5SRG

3905ccn 40m SSB Late Coord

6239. Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 16:25:19 UTC
From: k5cjl@...
Topic: 6239 Message: 6239

Is anyone using a Acom 1000 with the Kenwood TS-990S that can tell me what the correct setting in Menu #11, Linear Amplifier Control (HF Band) would be?
Thanks
Carl
K5CJL

6240. Re: [acom-list] Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 18:22:24 UTC
From: Skip Guenter
Topic: 6239 Message: 6240

I'm using said amp with the TS-590S and the setting (menu 53 on the 590) is '2' out of choices: 'off', '1', '2' and '3'. For my older 3-500Z amps I use '3' for the longer keying delay.

Setting 1 equates to using SS switching and a delay of 10ms.
Setting 2 equates to using the relay instead of SS switching and a delay of 10ms.
Setting 3 equates to using the relay instead of SS switching and a delay of 25ms.

Hope this helps.

On 01/07/2015 10:25 AM, k5cjl@... [acom-list] wrote:
>
> Is anyone using a Acom 1000 with the Kenwood TS-990S that can tell me
> what the correct setting in Menu #11, Linear Amplifier Control (HF
> Band) would be?
>
> Thanks
>
> Carl
>
> K5CJL
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
/

6241. Re: [acom-list] Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 19:56:55 UTC
From: k5cjl@...
Topic: 6239 Message: 6241

These are the choices in the TS-990s.....
I believe it's "Active Low" I want. I'm also beginning think the Remove Din was wired wrong. It's wired pin 2 com and pin 5 BRK. I think It shud be 2 and 7 RL, but I'm no EE.
Carl

6242. Re: [acom-list] Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 20:59:21 UTC
From: k5cjl@...
Topic: 6239 Message: 6242

The follow-up is the plug is fine. Going to "Active High + Relay & Delay Control" is working but I'm seeing spike in power before settling down to normal power, ie; 1000W, then 860W. What do you think Ray?

6243. RE: [acom-list] Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 21:04:02 UTC
From: Bob Naumann
Topic: 6239 Message: 6243

Try reducing your ALC drive level to minimize the initial power spike.

This has been noted with the 590 previously, but not with the 990 until now.

W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, January 07, 2015 2:59 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 with new TS-990S Settings Question

The follow-up is the plug is fine. Going to "Active High + Relay & Delay Control" is working but I'm seeing spike in power before settling down to normal power, ie; 1000W, then 860W.

What do you think Ray?

6244. RE: [acom-list] Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-07 21:34:43 UTC
From: k5cjl@...
Topic: 6239 Message: 6244

Bob... I reduced it significantly and saw little reduction in the spike, 100-150w.
Thanks
Carl

6245. 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-08 18:03:45 UTC
From: N2TK, Tony
Topic: 6245 Message: 6245

I was going to hook up the RS-232 on the 2000A according to some info I had seen about hooking up the amp to the K3 so that the amp tracks the loging program to tell the amp where the K3 is at - band and frequency. Just realized the diagrams are showing a 15 pin D-sub connector on the amp. My 2000A has a 9 pin D-sub RS-232 connector. Am I missing something?

Tnx

N2TK, Tony

6246. Re: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-08 18:07:32 UTC
From: Callum the Web Boss
Topic: 6245 Message: 6246

I also have 9 pin amp - and all 2000s that I have met have the same.

Must be a drawing mistake?

Callum M0MCX

6247. Re: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-08 21:07:45 UTC
From: Tom_N2SR
Topic: 6245 Message: 6247

If it is not a drafting mistake, then just take the schematic and "convert" it to 9 pin.
Not sure if it would work, but:

Serial (RS232) modem cable (DB9-DB15). Pinout and signals for building a serial (RS232) modem cable
So, on the schematic, from the DB-15 connector, pin 11 becomes 1, pin 13 becomes 2, pin 12 becomes 3, etc.
????
Tom, N2SR

From: "Callum the Web Boss callum@... [acom-list]" <acom-list@yahoogroups.com>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Thursday, January 8, 2015 1:07 PM
Subject: Re: [acom-list] 2000A - RS-232

  I also have 9 pin amp - and all 2000s that I have met have the same.
Must be a drawing mistake?

Callum M0MCX

6248. Re: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-08 21:49:57 UTC
From: Bill Turner
Topic: 6245 Message: 6248

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Thu, 08 Jan 2015 13:03:45 -0500, you wrote:

>
>I was going to hook up the RS-232 on the 2000A according to some info I had
>seen about hooking up the amp to the K3 so that the amp tracks the loging
>program to tell the amp where the K3 is at - band and frequency. Just
>realized the diagrams are showing a 15 pin D-sub connector on the amp. My
>2000A has a 9 pin D-sub RS-232 connector. Am I missing something?
>
>Tnx
>
>N2TK, Tony

REPLY:

Hi Tony: This issue confused me too when I got my 2000A earlier this
year. After I figured it out I put together this mini tutorial which
should help:

++

When operating an ACOM 2000A with an Elecraft K3, there are two
possible modes of frequency control. Each mode requires a different
cable.

When a PC is NOT connected:

Use a cable like that shown in figure 7.6 of the ACOM 2000A manual.
You should set the K3 AUTOINF menu option to "nor", the default. In
this mode the 2000A will poll the K3 for band data and will change
bands accordingly. The K3 will also send band data when you manually
change bands on the K3.

When a PC IS connected:

Use the cable shown in figure 7.2 in the 2000A manual. You should set
the K3 AUTOINF menu option to "nor", the default. Note that this
cable does NOT have the TXD wire going to the ACOM 2000A, but it does
have the TXD wire running between the legs of the Y connector. This
cable can be either a single cable terminating in two DB-9 connectors
or it can be a single cable with a "Y" adaptor connected at the DB-9
end. In either case, it must be the electrical equivalent of figure
7.2. In this mode, the ACOM 2000A gets band data information ONLY
from the logging program, not from the K3. If you close the logging
program, the ACOM 2000A will not follow band changes from the K3. You

can still do band changes by sending a "dit" as explained in the ACOM 2000A manual.

Hope this helps.

Bill W6WRT

6249. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-08 23:34:04 UTC
From: N2TK, Tony
Topic: 6245 Message: 6249

Tnx Tom

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, January 08, 2015 4:08 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A - RS-232

If it is not a drafting mistake, then just take the schematic and "convert"
it to 9 pin. Not sure if it would work, but:

Serial (RS232) modem cable (DB9-DB15). Pinout and signals for building a
serial (RS232) modem cable
<http://www.aggsoft.com/rs232-pinout-cable/modem-db9-to-db15.htm>

So, on the schematic, from the DB-15 connector, pin 11 becomes 1, pin 13
becomes 2, pin 12 becomes 3, etc.

????

Tom, N2SR

From: "Callum the Web Boss callum@... [acom-list]"
<acom-list@yahoogroups.com>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Sent: Thursday, January 8, 2015 1:07 PM
Subject: Re: [acom-list] 2000A - RS-232

I also have 9 pin amp - and all 2000s that I have met have the same.

Must be a drawing mistake?

Callum M0MCX

[Non-text portions of this message have been removed]

6250. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-08 23:52:52 UTC
From: N2TK, Tony
Topic: 6245 Message: 6250

Tnx Bill.

But fig 7.2 shows a 15 pin D-sub connector and my amp has a 9 pin connector.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, January 08, 2015 4:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A - RS-232

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 08 Jan 2015 13:03:45 -0500, you wrote:

>
>I was going to hook up the RS-232 on the 2000A according to some info I had
>seen about hooking up the amp to the K3 so that the amp tracks the loging
>program to tell the amp where the K3 is at - band and frequency. Just
>realized the diagrams are showing a 15 pin D-sub connector on the amp. My
>2000A has a 9 pin D-sub RS-232 connector. Am I missing something?
>
>Tnx
>
>N2TK, Tony

REPLY:

Hi Tony: This issue confused me too when I got my 2000A earlier this
year. After I figured it out I put together this mini tutorial which
should help:

++

When operating an ACOM 2000A with an Elecraft K3, there are two
possible modes of frequency control. Each mode requires a different
cable.

When a PC is NOT connected:

Use a cable like that shown in figure 7.6 of the ACOM 2000A manual.
You should set the K3 AUTOINF menu option to "nor", the default. In
this mode the 2000A will poll the K3 for band data and will change
bands accordingly. The K3 will also send band data when you manually
change bands on the K3.

When a PC IS connected:

Use the cable shown in figure 7.2 in the 2000A manual. You should set the K3 AUTOINF menu option to "nor", the default. Note that this cable does NOT have the TXD wire going to the ACOM 2000A, but it does have the TXD wire running between the legs of the Y connector. This cable can be either a single cable terminating in two DB-9 connectors or it can be a single cable with a "Y" adaptor connected at the DB-9 end. In either case, it must be the electrical equivalent of figure 7.2. In this mode, the ACOM 2000A gets band data information ONLY from the logging program, not from the K3. If you close the logging program, the ACOM 2000A will not follow band changes from the K3. You can still do band changes by sending a "dit" as explained in the ACOM 2000A manual.

Hope this helps.

Bill W6WRT

[Non-text portions of this message have been removed]

6251. Re: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 04:17:12 UTC
From: Bill Turner
Topic: 6245 Message: 6251

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Thu, 08 Jan 2015 18:52:52 -0500, you wrote:

>Tnx Bill.
>
>But fig 7.2 shows a 15 pin D-sub connector and my amp has a 9 pin connector.
>
>N2TK, Tony

REPLY:

The 15 pin connector is on the RCU, not the amplifier.

Bill W6WRT

6252. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 10:45:17 UTC
From: N2TK, Tony
Topic: 6245 Message: 6252

I have an early 2000A. There are no connectors on the RCU. There is just a cable coming out of the RCU that plugs in the amp.

There are two D-connectors on the amp - one for the RCU and a 9 pin.

Does replacing the RCU with the new style give you the capability to allow tracking of the amp with the rig/logging program by having a 9 pin RS232 on the RCU?

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, January 08, 2015 11:17 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A - RS-232

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 08 Jan 2015 18:52:52 -0500, you wrote:

>Tnx Bill.
>
>But fig 7.2 shows a 15 pin D-sub connector and my amp has a 9 pin connector.
>
>N2TK, Tony

REPLY:

The 15 pin connector is on the RCU, not the amplifier.

Bill W6WRT

[Non-text portions of this message have been removed]

6253. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 12:47:17 UTC
From: Bob Naumann
Topic: 6245 Message: 6253

Yes.

This is the key new feature of the new RCU.

The original RCU / AMP is not controllable in much the same manner without 3rd party software.

W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Friday, January 09, 2015 4:45 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 2000A - RS-232

I have an early 2000A. There are no connectors on the RCU. There is just a cable coming out of the RCU that plugs in the amp.

There are two D-connectors on the amp - one for the RCU and a 9 pin.

Does replacing the RCU with the new style give you the capability to allow tracking of the amp with the rig/logging program by having a 9 pin RS232 on the RCU?

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, January 08, 2015 11:17 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A - RS-232

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 08 Jan 2015 18:52:52 -0500, you wrote:

>Tnx Bill.
>
>But fig 7.2 shows a 15 pin D-sub connector and my amp has a 9 pin connector.
>
>N2TK, Tony

REPLY:

The 15 pin connector is on the RCU, not the amplifier.

Bill W6WRT

[Non-text portions of this message have been removed]

Posted by: "N2TK, Tony" <tony.kaz@...>

Yahoo Groups Links

6254. Re: 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 15:12:02 UTC
From: K5WA
Topic: 6245 Message: 6254

Guys,

Having a 2000A track a K3 is a CAT issue, not an RS-232 issue. Bill, W6WRT, correctly pointed that out earlier in this thread but I'm not sure everyone caught it. I have a "new" RCU and an "old" RCU on my pair of 2000As and I'm having to buy another "new" RCU in order to get tracking for my older 2000A. That is the way I understand it but I would love to be proven wrong if there is a simple way to get tracking without buy a new RCU.

Anybody need an old RCU? ;-)

Bob K5WA

6255. Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 18:09:02 UTC
From: k5cjl@...
Topic: 6239 Message: 6255

I have discovered that using "Active High+Relay" and "Active High+Relay & TX Delay Cntrl" are the only two options that will excite the Acom 1000 amp. Under both settings power spikes (75-150w @45w drive) are being observed intermittently on keying. Is anyone else observing power spikes during tune-up or operation?
Thanks
Carl

6256. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 18:34:38 UTC
From: N2TK, Tony
Topic: 6245 Message: 6256

Tnx Bob for the info.

Any comments on 3rd party software that would do what I want?

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Friday, January 09, 2015 7:47 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 2000A - RS-232

Yes.

This is the key new feature of the new RCU.

The original RCU / AMP is not controllable in much the same manner without 3rd party software.

W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Friday, January 09, 2015 4:45 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] 2000A - RS-232

I have an early 2000A. There are no connectors on the RCU. There is just a cable coming out of the RCU that plugs in the amp.

There are two D-connectors on the amp - one for the RCU and a 9 pin.

Does replacing the RCU with the new style give you the capability to allow tracking of the amp with the rig/logging program by having a 9 pin RS232 on the RCU?

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, January 08, 2015 11:17 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] 2000A - RS-232

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 08 Jan 2015 18:52:52 -0500, you wrote:

>Tnx Bill.
>
>But fig 7.2 shows a 15 pin D-sub connector and my amp has a 9 pin
connector.
>
>N2TK, Tony

REPLY:

The 15 pin connector is on the RCU, not the amplifier.

Bill W6WRT

[Non-text portions of this message have been removed]

Posted by: "N2TK, Tony" <tony.kaz@...>

Yahoo Groups Links

[Non-text portions of this message have been removed]

6257. 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 18:43:55 UTC
From: k2cb@...
Topic: 6257 Message: 6257

Can anyone provide a link or copy of the technical supplement? The one link I did find for the old hfpower.com sites no longer works.

Thanks
Eric
K2CB

6258. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 20:12:07 UTC
From: AB2E Darrell
Topic: 6245 Message: 6258

Hi Tony,
I too have the Acom 2000A with the original RCU.
I'm driving the Acom with an Icom 756 Pro III, but the software I will mention both support K3 as well. Both have free trial versions.
I'm currently using the N4PY software. In my case, I bought it for Icom and you have to make the special Acom cable (ONLY use the 3 pins mentioned, I believe it was 2,3, and 5, and 2 and 3 should be reversed for Null Modem on the other end of the cable). If any other pins remain connected (for instance a store-bought DB9 cable with 9 wires) you will have trouble.
Good news, once you make the cable it should work with all the available software.
OK, N4PY's software will let you interface the Acom so it auto tracks the rigs frequency. This works perfectly. He also has a Standby/Operate icon. Beyond that, there is no provision to monitor anything else on the Acom. So, simple but does the job.

I'm currently looking at TRX-Manager, which can launch a separate window called TRX-Acom. I've only downloaded the trial version which only works for 30 minutes at a time (TRX-Acom only 15min) but it does a nice job and tracks the rig's frequency. This interface is more robust and has provisions to monitor any setting and feature on the Acom (bias, hv, drive power, rf out, reflected, and many more). The thing I like about this is you can also position the window within your cluster of windows for N1MM.

Both programs can be linked to N1MM, and both would require a piece of third party free software that allows comport sharing (N4PY recommended VSP-MGR by K5FR, you just email the author, he will send you a link).

Ultimately, N1MM will see the rig as a Kenwood TS590 because of the com-port sharing. Email if you're interested in how the com-port sharing works, it takes a few minutes to set up but is worth the effort.

I have both pieces of software up and running to control the Acom. Both companies have great customer service and answered emails and requests very quickly.

73 Darrell AB2E

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 9 Jan 2015 13:34:38 -0500
Subject: RE: [acom-list] 2000A - RS-232

Tnx Bob for the info.

Any comments on 3rd party software that would do what I want?

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]

Sent: Friday, January 09, 2015 7:47 AM

To: acom-list@yahoogroups.com

Subject: RE: [acom-list] 2000A - RS-232

Yes.

This is the key new feature of the new RCU.

The original RCU / AMP is not controllable in much the same manner without

3rd party software.

W5OV

-----Original Message-----

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]

Sent: Friday, January 09, 2015 4:45 AM

To: acom-list@yahoogroups.com

Subject: RE: [acom-list] 2000A - RS-232

I have an early 2000A. There are no connectors on the RCU. There is just a

cable coming out of the RCU that plugs in the amp.

There are two D-connectors on the amp - one for the RCU and a 9 pin.

Does replacing the RCU with the new style give you the capability to allow

tracking of the amp with the rig/logging program by having a 9 pin RS232 on

the RCU?

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]

Sent: Thursday, January 08, 2015 11:17 PM

To: acom-list@yahoogroups.com

Subject: Re: [acom-list] 2000A - RS-232

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 08 Jan 2015 18:52:52 -0500, you wrote:

>Tnx Bill.

>

>But fig 7.2 shows a 15 pin D-sub connector and my amp has a 9 pin

connector.

>

>N2TK, Tony

REPLY:

The 15 pin connector is on the RCU, not the amplifier.

Bill W6WRT

[Non-text portions of this message have been removed]

Posted by: "N2TK, Tony" <tony.kaz@...>

Yahoo Groups Links

[Non-text portions of this message have been removed]

6259. Re: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 21:14:30 UTC
From: Bill Turner
Topic: 6245 Message: 6259

---------- ORIGINAL MESSAGE ----------(may be snipped)

On Fri, 09 Jan 2015 05:45:17 -0500, you wrote:

>I have an early 2000A. There are no connectors on the RCU. There is just a
>cable coming out of the RCU that plugs in the amp.
>
>There are two D-connectors on the amp - one for the RCU and a 9 pin.
>
>Does replacing the RCU with the new style give you the capability to allow
>tracking of the amp with the rig/logging program by having a 9 pin RS232 on
>the RCU?
>
>73,
>
>N2TK, Tony

REPLY:

I didn't know the old and new RCU were that different. I'm afraid I
can't help with the old one. Sorry.

Bill W6WRT

6260. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-09 21:49:31 UTC
From: E.P
Topic: 6239 Message: 6260

there is no power spikes at all i don't know what you see but do not think it have to be with the key the Amp at all this option just key the Amp nothing to do with spikes
ep

From: "k5cjl@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Friday, 9 January 2015, 18:09
Subject: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

I have discovered that using "Active High+Relay" and "Active High+Relay & TX Delay Cntrl" are the only two options that will excite the Acom 1000 amp. Under both settings power spikes (75-150w @45w drive) are being observed intermittently on keying.
Is anyone else observing power spikes during tune-up or operation?
Thanks
Carl

6261. Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-10 12:13:41 UTC
From: k5cjl@...
Topic: 6239 Message: 6261

Check out this blog post by JG1VGX on connecting your amp to the TS-990S....

JG1VGX: How to Key Your Amplifiers with TS-590(G) or TS-990
http://rin3.blogspot.com/2014/12/how-to-key-your-amplifiers-with-ts-590g.html

http://rin3.blogspot.com/2014/12/how-to-key-your-amplifiers-with-ts-590g.html

JG1VGX: How to Key Your Amplifiers with TS-590(G) o...
http://rin3.blogspot.com/2014/12/how-to-key-your-amplifiers-with-ts-590g.html In Yahoo Groups forums I've seen so many posts asking about how to hook up TS-590(G) or TS-990 to an amplifier via the REMOTE connector to key it proper...

View on rin3.blogspot.com
http://rin3.blogspot.com/2014/12/how-to-key-your-amplifiers-with-ts-590g.html
Preview by Yahoo

6262. Re: 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-10 14:14:00 UTC
From: <giw@...>
Topic: 6245 Message: 6262

TRX- manager has a program that will work with the K3 and it tracks 100% with an old 2000a control box.

6263. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 06:48:51 UTC
From: pa3hgt@...
Topic: 6239 Message: 6263

I use an Acom 2000 with my Kw ts990 but no spikes reported.

Hans,PA3HGT

6264. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 12:39:16 UTC
From: k5cjl@...
Topic: 6239 Message: 6264

Thanks for your response. I have talked with other Acom 2000a owners and they also report no observed spikes on key down. Wish there was an answer to ending the spikes. I worry I may be hurting the Acom 1000 amp. Thanks
Carl
K5CJL

6265. RE: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 14:11:08 UTC
From: Bob Naumann
Topic: 6239 Message: 6265

Is the amp faulting out because of the spikes?

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, January 14, 2015 6:39 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Thanks for your response. I have talked with other Acom 2000a owners and they also report no observed spikes on key down. Wish there was an answer to ending the spikes. I worry I may be hurting the Acom 1000 amp.

Thanks

Carl

K5CJL

6266. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 14:31:42 UTC
From: Martin Andrew
Topic: 6239 Message: 6266

Any ALC overshoot (RF spikes) will trip an Acom 1000.
Have tried to run with an FT-847 but these are well
known for spikes and sure enough it trips the amp.
Only needs around 100mS delay so the amp can switch
and all is ok.

I have tried small circuits on both the ALC and TX inhibit
both of which work but stayed with the TX inhibit as this
was easier to use with the sequencer I have (homebrewed).

Strangely my TS-2000's also have an RF spike but neither
seem to be enough to trip the amp.

Only use the Acom 1000 on 50 and 70 (modified)MHz
so not a clue if this is just an HF thing.

Martin, GM6VXB

----- Original Message -----
From: k5cjl@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Wednesday, January 14, 2015 12:39 PM
Subject: Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Thanks for your response. I have talked with other Acom 2000a owners and they also report no observed spikes on key down. Wish there was an answer to ending the spikes. I worry I may be hurting the Acom 1000 amp.

Thanks
Carl
K5CJL

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5645 / Virus Database: 4260/8927 - Release Date: 01/13/15

6268. RE: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 17:56:11 UTC
From: k5cjl@...
Topic: 6239 Message: 6268

Bob...
I have not experienced any faults. I did go into the rig settings and restrict max power to 55w on all bands hoping this would provide some protection, but I'm starting to think it's not. Normally I drive the amp with 45-50w which will provide 750-950w output depending on the band. To see the amp spike to 1.0 - 1.1KW is disconcerting, but if it's not faulting it must not be hurting anything, right? But what if I want 1KW output. Will it spike 1.2+KW, and if so will it fault then? I really don't want to find it's limit but feel restricted to a lower output level due to the spikes. What are your thoughts,
Thx
Carl
K5CJL

6269. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 18:07:28 UTC
From: Skip Guenter
Topic: 6239 Message: 6269

Typically the lead in spikes, on a % basis, are smaller as solid state
radios go higher in power.

Are you seeing this on CW or SSB and with what measuring device?

On 01/14/2015 11:56 AM, k5cjl@... [acom-list] wrote:
> Bob...
> I have not experienced any faults. I did go into the rig settings and
> restrict max power to 55w on all bands hoping this would provide some
> protection, but I'm starting to think it's not. Normally I drive the
> amp with 45-50w which will provide 750-950w output depending on the
> band. To see the amp spike to 1.0 - 1.1KW is disconcerting, but if
> it's not faulting it must not be hurting anything, right? But what if
> I want 1KW output. Will it spike 1.2+KW, and if so will it fault then?
> I really don't want to find it's limit but feel restricted to a lower
> output level due to the spikes.
> What are your thoughts,
> Thx
> Carl
> K5CJL
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6270. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 18:36:37 UTC
From: k5cjl@...
Topic: 6239 Message: 6270

Both. I tune on CW and operate on SSB and see it on both from the watt meter on the Acom 1000 as well as a stand alone MFJ watt meter. Your correct, the size of the spikes are usually percentages of the drive power. Also, the spikes are intermittent, approximately 60-70% of key downs. Thanks
Carl

6271. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 18:49:14 UTC
From: Skip Guenter
Topic: 6239 Message: 6271

Are you using the mechanical relay setting on the 990? Have you tried
setting the amp relay delay?

On 01/14/2015 12:36 PM, k5cjl@... [acom-list] wrote:
>
> Both.
>
> I tune on CW and operate on SSB and see it on both from the watt meter
> on the Acom 1000 as well as a stand alone MFJ watt meter. Your
> correct, the size of the spikes are usually percentages of the drive
> power. Also, the spikes are intermittent, approximately 60-70% of key
> downs.
> Thanks
> Carl
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6272. RE: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 18:57:13 UTC
From: Bob Naumann
Topic: 6239 Message: 6272

Then, on what are you basing your conclusion?

If you did have such spikes, the amp would trip out.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, January 14, 2015 11:40 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

No faults Bob

6273. RE: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 19:01:16 UTC
From: Bob Naumann
Topic: 6239 Message: 6273

I think you may just be seeing some normal wattmeter fluctuations – if the amp is not tripping out, it is not likely that you are actually getting spikes – as these would trip the amp.

The Acom has protection for just this sort of problem.

The MFJ meter is not fast enough, and the internal wattmeter is not known for its absolute accuracy either.

If you were using a Array Solutions Power Master wattmeter, this would show you if you truly had spikes as it’s probably the only wattmeter fast enough to measure them.

W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, January 14, 2015 12:49 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Are you using the mechanical relay setting on the 990? Have you tried setting the amp relay delay?

On 01/14/2015 12:36 PM, k5cjl@... [acom-list] wrote:

Both.

I tune on CW and operate on SSB and see it on both from the watt meter on the Acom 1000 as well as a stand alone MFJ watt meter. Your correct, the size of the spikes are usually percentages of the drive power. Also, the spikes are intermittent, approximately 60-70% of key downs.

Thanks

Carl

--
S. R. 'Skip' Guenter, K5SRG
3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area

6274. Powermaster wattmeter question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 19:26:48 UTC
From: dalej
Topic: 6274 Message: 6274

Hello Bob,

I was wondering if there is any upgrade or update for my Powermaster wattmeter, it's one of the older models, PM003, SN 1823. Still works ok, but sometimes the display gets funny. Don't know what's causing that.

73
Dale, K9VUJ

P.S. The Acom 2000A has been working flawlessly. Use it on USAF MARS quite a bit. It is without doubt THE quietest amp I've had here in the shack. Sometimes I forget it's on. It is quite the amp.

6275. RE: [acom-list] Powermaster wattmeter question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 20:24:16 UTC
From: Bob Naumann
Topic: 6274 Message: 6275

AFAIK, there is no "upgrade" available, but you should contact Array Solutions if you have trouble with the display component.

The REFRESH menu option may solve the "funny" display.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, January 14, 2015 1:27 PM
To: 'Bob Naumann' W5OV@... [acom-list]
Subject: [acom-list] Powermaster wattmeter question

Hello Bob,

I was wondering if there is any upgrade or update for my Powermaster wattmeter, it's one of the older models, PM003, SN 1823. Still works ok, but sometimes the display gets funny. Don't know what's causing that.

73
Dale, K9VUJ

P.S. The Acom 2000A has been working flawlessly. Use it on USAF MARS quite a bit. It is without doubt THE quietest amp I've had here in the shack. Sometimes I forget it's on. It is quite the amp.

Posted by: dalej <dj2001x@...>

Yahoo Groups Links

6276. Re: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 20:29:42 UTC
From: k5cjl@...
Topic: 6239 Message: 6276

I'm using "Active High+Relay&TX Delay Cntrl" for the Linear Amplifier Control setting. Neither "Active Low" setting will fire the amp.

6277. Re: [acom-list] Powermaster wattmeter question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 21:06:39 UTC
From: dalej
Topic: 6274 Message: 6277

Some of the segments don't light up. I'll contact, thanks Bob.

Dale, k9vuj

On 14, Jan 2015, at 14:24, 'Bob Naumann' W5OV@... [acom-list] <acom-list@yahoogroups.com> wrote:

AFAIK, there is no "upgrade" available, but you should contact Array Solutions if you have trouble with the display component.

The REFRESH menu option may solve the "funny" display.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, January 14, 2015 1:27 PM
To: 'Bob Naumann' W5OV@... [acom-list]
Subject: [acom-list] Powermaster wattmeter question

Hello Bob,

I was wondering if there is any upgrade or update for my Powermaster wattmeter, it's one of the older models, PM003, SN 1823. Still works ok, but sometimes the display gets funny. Don't know what's causing that.

73
Dale, K9VUJ

P.S. The Acom 2000A has been working flawlessly. Use it on USAF MARS quite a bit. It is without doubt THE quietest amp I've had here in the shack. Sometimes I forget it's on. It is quite the amp.

Posted by: dalej <dj2001x@...>

Yahoo Groups Links

6278. RE: [acom-list] 2000A - RS-232

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 21:21:37 UTC
From: N2TK, Tony
Topic: 6245 Message: 6278

Well, got it working. Thanks for all the suggestions and help I received.

First of all, it seems the new RCU has a 15-pin D-sub connector which makes it easy to interface the 2000A to track your rig.

The older 2000A's do not have this connector on the RCU. They only have the 9-pin D-sub connector on the amp.

Tried using LP Bridge which I use to run all the following at the same time - DXBase, N1MM, AXETTY (FSK RTTY), K3/KPA500. Tried using "Output Comm Port #1". This is fixed at 4800 baud. Seems the 2000A likes 1200 baud. Maybe get Larry to change it to a variable baud rate?

AB2E came to the rescue. Suggested I try N4PY Pegasus Plus. So I bought it and added it to LP Bridge. What's another program running. J

Followed the instructions and made up a null modem cable using pins 2, 3 and 5(gnd). Setup the program as per the manual (real simple). So now the amp presets and tracks the K3. Now no need to send the dit.

Now I need to play with N4PY to see what all the program can do for me. This was a cheaper fix than buying a new RCU.

Was also told TRX-Manager works well interfacing the older 2000a's.

73,

N2TK, Tony

------------ ORIGINAL MESSAGE ------------(may be snipped)

On Thu, 08 Jan 2015 13:03:45 -0500, you wrote:

>
>I was going to hook up the RS-232 on the 2000A according to some info I had
>seen about hooking up the amp to the K3 so that the amp tracks the loging
>program to tell the amp where the K3 is at - band and frequency. Just
>realized the diagrams are showing a 15 pin D-sub connector on the amp. My
>2000A has a 9 pin D-sub RS-232 connector. Am I missing something?
>
>Tnx
>
>N2TK, Tony

–’---

6279. RE: [acom-list] Re: Acom 1000 with new TS-990S Settings Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-14 22:40:20 UTC
From: k5cjl@...
Topic: 6239 Message: 6279

The reason I think it's spiking is because there was NEVER any fluctuation in power when using an ICOM proII with either the Acom wattmeter or the MFJ wattmeter. It was rock steady at the expected power-for-drive input. Seems to me if the wattmeter was too slow I would never see a spike or fluctuation. Whatever the issue is, and hopefully it's no issue at all, it's just not acting as it did with the ProII and didn't appear to be normal to me. Thanks for your expertise Bob,
Carl

6280. 1/15/2015 5:54:20 PM

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-15 05:54:20 UTC
From: rask1553
Topic: 6280 Message: 6280

http://tome.sk/nauqhws/vdkhypvwetymywbyuzmqhz.dvjhampzubczaevkmnnnhgwipsjutxagifvupas

rask1553@...
1/15/2015 5:54:20 PM

6281. Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-17 23:29:41 UTC
From: n1tch@...
Topic: 6281 Message: 6281

When I bought my A1000 it came with a spare tube of unknown history. Is there somewhere that I can have it tested? Also, my shack is in the cellar, I live in New Hampshire, and it gets pretty chilly - 55 F or so. Considering that the humidity is very low is there a reason to worry about the warning regarding condensation?
Thanks in advance for any information.

73, Pete N1TCH

6282. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 00:41:18 UTC
From: Dave
Topic: 6281 Message: 6282

I have a 2005 vintage 2000A and although my tubes' parameters are showing fine I decided to order a pair this past week from Vine Antennas in England. They have a custom built test fixture where they can test the tubes under varying parameters.

Not sure if there is anyone Stateside that can test it other than putting it in an amplifier.
You can contact Array Solutions to ask how they test the tubes. Shipping the tube to England and back for testing would not be economical.

Dave, wo2x

On 1/17/2015 6:29 PM, n1tch@... [acom-list] wrote:
>
> When I bought my A1000 it came with a spare tube of unknown history.
> Is there somewhere that I can have it tested? Also, my shack is in the
> cellar, I live in New Hampshire, and it gets pretty chilly - 55 F or
> so. Considering that the humidity is very low is there a reason to
> worry about the warning regarding condensation?
>
> Thanks in advance for any information.
>
>
> 73, Pete N1TCH
>
>

6283. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 01:40:58 UTC
From: Skip Guenter
Topic: 6281 Message: 6283

Basements are normally the dampest room in the house.

On 01/17/2015 05:29 PM, n1tch@... [acom-list] wrote:
>
> When I bought my A1000 it came with a spare tube of unknown history.
> Is there somewhere that I can have it tested? Also, my shack is in the
> cellar, I live in New Hampshire, and it gets pretty chilly - 55 F or
> so. Considering that the humidity is very low is there a reason to
> worry about the warning regarding condensation?
>
> Thanks in advance for any information.
>
>
> 73, Pete N1TCH
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6284. Re: Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 04:33:11 UTC
From: david_salomon@...
Topic: 6281 Message: 6284

Contact Array Solutions. They'll check them out for a fee.

6285. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 13:15:39 UTC
From: briana
Topic: 6281 Message: 6285

Hi Dave,

This isn't meant to be a criticism of Vine. They were easy to deal with
and lived up to their quality statement.

Do you have any info on the test fixture now being used by Vine.

It used to be that they tested the GU74B's only up to 400-500 watts or so.

This gave me fits with a single tube ACOM1000. The supposedly good tubes
would not put out any where near 800-1000 watts. Several returns to get
a good one. They finally found a good one by going the extra step of
testing a few tubes in an ACOM1000 rather than their test fixture.

With a two tube amp like the 2000, one would notice this less.

73 de Brian/K3KO

On 1/17/2015 7:41 PM, Dave RocketNJ@... [acom-list] wrote:
>
>
> I have a 2005 vintage 2000A and although my tubes' parameters are
> showing fine I decided to order a pair this past week from Vine
> Antennas in England. They have a custom built test fixture where they
> can test the tubes under varying parameters.
>
> Not sure if there is anyone Stateside that can test it other than
> putting it in an amplifier.
> You can contact Array Solutions to ask how they test the tubes.
> Shipping the tube to England and back for testing would not be economical.
>
> Dave, wo2x
>
>
>
> On 1/17/2015 6:29 PM, n1tch@... [acom-list] wrote:
>>
>> When I bought my A1000 it came with a spare tube of unknown history.
>> Is there somewhere that I can have it tested? Also, my shack is in
>> the cellar, I live in New Hampshire, and it gets pretty chilly - 55 F
>> or so. Considering that the humidity is very low is there a reason to
>> worry about the warning regarding condensation?
>>
>> Thanks in advance for any information.
>>
>>
>> 73, Pete N1TCH

>>
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2249 / Virus Database: 4257/8438 - Release Date: 01/16/15
>

6286. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 13:23:00 UTC
From: Tom_N2SR
Topic: 6281 Message: 6286

A few years ago there was an article in QST to build a transmitting tube tester. They did use current limiting for plate, and grid. The unit was built to test 3-500Z and 3CX1500s, but I'm sure the basic design is adaptable for the GU74.

In fact, I wonder if it's possible to take the circuitry from an amp that uses the GU74 (Ten-Ten Titan II, Alpha 91B, Acom 1000, etc) and build a testing circuit.

Tom, N2SR
From: "briana alsopb@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Sunday, January 18, 2015 8:15 AM
Subject: Re: [acom-list] Getting a GU74B tested

Hi Dave,

This isn't meant to be a criticism of Vine. They were easy to deal with
and lived up to their quality statement.

Do you have any info on the test fixture now being used by Vine.

It used to be that they tested the GU74B's only up to 400-500 watts or so.

This gave me fits with a single tube ACOM1000. The supposedly good tubes
would not put out any where near 800-1000 watts. Several returns to get
a good one. They finally found a good one by going the extra step of
testing a few tubes in an ACOM1000 rather than their test fixture.

With a two tube amp like the 2000, one would notice this less.

73 de Brian/K3KO

On 1/17/2015 7:41 PM, Dave RocketNJ@... [acom-list] wrote:
>
>
> I have a 2005 vintage 2000A and although my tubes' parameters are
> showing fine I decided to order a pair this past week from Vine
> Antennas in England. They have a custom built test fixture where they
> can test the tubes under varying parameters.
>
> Not sure if there is anyone Stateside that can test it other than
> putting it in an amplifier.
> You can contact Array Solutions to ask how they test the tubes.
> Shipping the tube to England and back for testing would not be economical.
>
> Dave, wo2x
>
>

>
> On 1/17/2015 6:29 PM, n1tch@... [acom-list] wrote:
>>
>> When I bought my A1000 it came with a spare tube of unknown history.
>> Is there somewhere that I can have it tested? Also, my shack is in
>> the cellar, I live in New Hampshire, and it gets pretty chilly - 55 F
>> or so. Considering that the humidity is very low is there a reason to
>> worry about the warning regarding condensation?
>>
>> Thanks in advance for any information.
>>
>>
>> 73, Pete N1TCH
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2249 / Virus Database: 4257/8438 - Release Date: 01/16/15
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Yahoo Groups Links

6287. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 13:24:58 UTC
From: Dave
Topic: 6281 Message: 6287

According to their web site, Vine now tests each tube in an Acom 1010 amp on three bands for RF performance. Maybe that was implemented after you had issues?

Since Vine individually plots the tube characteristics vs varying values for grid bias they use that data to match the tubes.

My friend received a set of tubes from them a couple of months ago and they are working fine. Mine will be here tomorrow.

I hope a rep from Array will chime in on what they use for test procedures.It would be nice to know how they do it so others looking for tubes can have a choice of suppliers.

Dave, wo2x

On 1/18/2015 8:15 AM, briana alsopb@... [acom-list] wrote:
> Hi Dave,
>
> This isn't meant to be a criticism of Vine. They were easy to deal with
> and lived up to their quality statement.
>
> Do you have any info on the test fixture now being used by Vine.
>
> It used to be that they tested the GU74B's only up to 400-500 watts or so.
>
> This gave me fits with a single tube ACOM1000. The supposedly good tubes
> would not put out any where near 800-1000 watts. Several returns to get
> a good one. They finally found a good one by going the extra step of
> testing a few tubes in an ACOM1000 rather than their test fixture.
>
> With a two tube amp like the 2000, one would notice this less.
>
> 73 de Brian/K3KO
>
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>
> On 1/17/2015 7:41 PM, Dave RocketNJ@... [acom-list] wrote:
>>
>> I have a 2005 vintage 2000A and although my tubes' parameters are
>> showing fine I decided to order a pair this past week from Vine
>> Antennas in England. They have a custom built test fixture where they
>> can test the tubes under varying parameters.
>>
>> Not sure if there is anyone Stateside that can test it other than
>> putting it in an amplifier.

>> You can contact Array Solutions to ask how they test the tubes.
>> Shipping the tube to England and back for testing would not be economical.
>>
>> Dave, wo2x
>>
>>
>>
>> On 1/17/2015 6:29 PM, n1tch@... [acom-list] wrote:
>>> When I bought my A1000 it came with a spare tube of unknown history.
>>> Is there somewhere that I can have it tested? Also, my shack is in
>>> the cellar, I live in New Hampshire, and it gets pretty chilly - 55 F
>>> or so. Considering that the humidity is very low is there a reason to
>>> worry about the warning regarding condensation?
>>>
>>> Thanks in advance for any information.
>>>
>>>
>>> 73, Pete N1TCH
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>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2012.0.2249 / Virus Database: 4257/8438 - Release Date: 01/16/15
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6288. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 13:33:48 UTC
From: brian
Topic: 6281 Message: 6288

OK. That was what they were doing years ago. The ACOM1010 has the
following specs:

750 W pep, 500 W CW.

73 de Brian/K3KO
On 1/18/2015 13:24 PM, Dave RocketNJ@... [acom-list] wrote:
> According to their web site, Vine now tests each tube in an Acom 1010
> amp on three bands for RF performance. Maybe that was implemented after
> you had issues?
>
> Since Vine individually plots the tube characteristics vs varying values
> for grid bias they use that data to match the tubes.
>
> My friend received a set of tubes from them a couple of months ago and
> they are working fine. Mine will be here tomorrow.
>
> I hope a rep from Array will chime in on what they use for test
> procedures.It would be nice to know how they do it so others looking for
> tubes can have a choice of suppliers.
>
> Dave, wo2x
>
> On 1/18/2015 8:15 AM, briana alsopb@... [acom-list] wrote:
>> Hi Dave,
>>
>> This isn't meant to be a criticism of Vine. They were easy to deal with
>> and lived up to their quality statement.
>>
>> Do you have any info on the test fixture now being used by Vine.
>>
>> It used to be that they tested the GU74B's only up to 400-500 watts or so.
>>
>> This gave me fits with a single tube ACOM1000. The supposedly good tubes
>> would not put out any where near 800-1000 watts. Several returns to get
>> a good one. They finally found a good one by going the extra step of
>> testing a few tubes in an ACOM1000 rather than their test fixture.
>>
>> With a two tube amp like the 2000, one would notice this less.
>>
>> 73 de Brian/K3KO
>>
>>
>>
>> On 1/17/2015 7:41 PM, Dave RocketNJ@... [acom-list] wrote:

>>> I have a 2005 vintage 2000A and although my tubes' parameters are
>>> showing fine I decided to order a pair this past week from Vine
>>> Antennas in England. They have a custom built test fixture where they
>>> can test the tubes under varying parameters.
>>>
>>> Not sure if there is anyone Stateside that can test it other than
>>> putting it in an amplifier.
>>> You can contact Array Solutions to ask how they test the tubes.
>>> Shipping the tube to England and back for testing would not be economical.
>>>
>>> Dave, wo2x
>>>
>>>
>>>
>>> On 1/17/2015 6:29 PM, n1tch@... [acom-list] wrote:
>>>> When I bought my A1000 it came with a spare tube of unknown history.
>>>> Is there somewhere that I can have it tested? Also, my shack is in
>>>> the cellar, I live in New Hampshire, and it gets pretty chilly - 55 F
>>>> or so. Considering that the humidity is very low is there a reason to
>>>> worry about the warning regarding condensation?
>>>>
>>>> Thanks in advance for any information.
>>>>
>>>>
>>>> 73, Pete N1TCH
>>>>
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>>>
>>> No virus found in this message.
>>> Checked by AVG - www.avg.com <http://www.avg.com>
>>> Version: 2012.0.2249 / Virus Database: 4257/8438 - Release Date: 01/16/15
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> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5645 / Virus Database: 4260/8952 - Release Date: 01/18/15
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6289. Re: Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 14:29:56 UTC
From: on4ct@...
Topic: 6281 Message: 6289

Pete

I have tested many NOS or long time on the shelf GU74B 's.
I put them in a socket, for only one tube you can make wire connections to the kathode.
Gettering a 'long on the shelf tube' is using lower kathode voltages (and only kathode) for some hours untill you reach the specification voltage.
Use a ventilator to cool the base of the tube during this proces.
You will find more on google or even on this forum for preparing nos tubes.

While the tube is 'hot' from the dissipation of the kathode wire you can measure for any possible shorts between internal parts : anode to grid to screen .... .
Even when the kahtode voltage is taken away you measure fast for shorts again. It is important that the tube is still warm while measuring, because internal shorts happens when the itnernal wires are glowing. Check for shorts also when the tube is cold.
If there are no shorts you can go further with testing in the amplifier.

In the amp , no transmit for 1 to 2 hours, then only ptt little anode current will flow, also for an hour or so.
then apply little rf , 5 w or so, more electrons will flow, for some minutes.
then apply more rf 20 w or so , in cw mode di or dahs no continues wave.
and by time you can apply more rf input power.
The time between first ptt and full power ,sometimes I use 2 hours.
If something is wrong, the amp will go in protection. Then the tube is one for ever on the shelf.

At the end for every tube the iddling current must be set, depending on the model of the amp the proces for to do this can be different.
After iddling setting you can test the tube for full power.

warning : even with only kathode voltage applied the base of the tube gets hot , if you thouch with bare hand/fingers you will have second degree burn wounds ! and when opening an amp there are lethal voltages touchable

73
dirk
on4ct

6290. Re: Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 16:47:12 UTC
From: gm3yts@...
Topic: 6281 Message: 6290

Pete

I got this from Acom a while back

"It's easy to find out the bad tube if you have a 12.6V / 3.5A filament transformer or a DC power supply with the same voltage and power. Hook an ohmmeter between the cathode and grid 1 pins and feed the filament voltage for a couple of minutes. The ohmmeter will read very high resistance all the time, if the tube is good. The bad tube will start with a high resistance but you'll see how a short circuit appears when the tube gets warm."

73 Rob GM3YTS

6291. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 17:19:08 UTC
From: dalej
Topic: 6281 Message: 6291

Should you have cooling air if you have the filament on?

Informative thread.

tnx
Dale, k9vuj

On 18, Jan 2015, at 10:47, gm3yts@... [acom-list] <acom-list@yahoogroups.com> wrote:

Pete

I got this from Acom a while back

"It's easy to find out the bad tube if you have a 12.6V / 3.5A filament
transformer or a DC power supply with the same voltage and power. Hook
an ohmmeter between the cathode and grid 1 pins and feed the filament
voltage for a couple of minutes. The ohmmeter will read very high
resistance all the time, if the tube is good. The bad tube will start
with a high resistance but you'll see how a short circuit appears when
the tube gets warm."

73 Rob GM3YTS

6292. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 17:57:54 UTC
From: on4ct@...
Topic: 6281 Message: 6292

A small fan that blows a light airflow on the base is needed while testing the tube

Dirk

6293. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 18:33:03 UTC
From: Hal Kennedy
Topic: 6281 Message: 6293

You MUST have some cooling air over the pins when the filament is on. The filament dissipates around 45-50 watts and most of that heat comes out through the pins. The socket does a good job of removing pin-heat through conduction, although that heat sinking is not fully sufficient and air moving across the tube base and socket is a requirement. "Clip leading" onto the filament pins provides a lot less conductive heat sinking - hence more air is required. You can get away without heat sinking or forced air for moments - maybe a minute or two? Try this experiment - clip-lead onto the filament pins and power up the filament. How long before you can't keep your fingers on the pins? "Can't stand it anymore" finger temperature is around 60C. 60C is a great place to stop (not just with tubes - most things electronic).

73,
Hal
N4GG

> Should you have cooling air if you have the filament on?
>
> Informative thread.
>
> tnx
> Dale, k9vuj
>
>
> On 18, Jan 2015, at 10:47, gm3yts@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Pete
>
> I got this from Acom a while back
>
> "It's easy to find out the bad tube if you have a 12.6V / 3.5A filament
> transformer or a DC power supply with the same voltage and power. Hook
> an ohmmeter between the cathode and grid 1 pins and feed the filament
> voltage for a couple of minutes. The ohmmeter will read very high
> resistance all the time, if the tube is good. The bad tube will start
> with a high resistance but you'll see how a short circuit appears when
> the tube gets warm."
>
> 73 Rob GM3YTS
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6294. RE: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-18 19:18:49 UTC
From: Kees - pa7two
Topic: 6281 Message: 6294

Use an SK-1A socket with a chimney with an appropriate blower mounted underneat. Solder leads to each pin and mark these. This way you can have the tube properly cooled and you can measure on the go at the same time.

Also swing the tube while putting it on its side from left to right and back, do this a few times. No shorts may appear being in cold or hot (heated) conditions.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Sun, 18 Jan 2015 13:33:03 -0500
> Subject: Re: [acom-list] Getting a GU74B tested
>
> You MUST have some cooling air over the pins when the filament is on.
> The filament dissipates around 45-50 watts and most of that heat comes
> out through the pins. The socket does a good job of removing pin-heat
> through conduction, although that heat sinking is not fully sufficient
> and air moving across the tube base and socket is a requirement. "Clip
> leading" onto the filament pins provides a lot less conductive heat
> sinking - hence more air is required. You can get away without heat
> sinking or forced air for moments - maybe a minute or two? Try this
> experiment - clip-lead onto the filament pins and power up the
> filament. How long before you can't keep your fingers on the pins?
> "Can't stand it anymore" finger temperature is around 60C. 60C is a
> great place to stop (not just with tubes - most things electronic).
>
> 73,
> Hal
> N4GG
>
>
> ------------
>
> > Should you have cooling air if you have the filament on?
> >
> > Informative thread.
> >
> > tnx
> > Dale, k9vuj
> >
> >
> > On 18, Jan 2015, at 10:47, gm3yts@... [acom-list] <acom-list@yahoogroups.com> wrote:

> >
> > Pete
> >
> > I got this from Acom a while back
> >
> > "It's easy to find out the bad tube if you have a 12.6V / 3.5A filament
> > transformer or a DC power supply with the same voltage and power. Hook
> > an ohmmeter between the cathode and grid 1 pins and feed the filament
> > voltage for a couple of minutes. The ohmmeter will read very high
> > resistance all the time, if the tube is good. The bad tube will start
> > with a high resistance but you'll see how a short circuit appears when
> > the tube gets warm."
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> > 73 Rob GM3YTS
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6295. Re: [acom-list] Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-19 05:23:53 UTC
From: <aivers30868@...>
Topic: 6281 Message: 6295

Purchased some from that company--they checked out excellent, dont worry they are reputable in my experience.

Joe, w6vnr

-----Original Message-----
From: "Dave RocketNJ@... [acom-list]"
Sent: Jan 17, 2015 4:41 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Getting a GU74B tested

I have a 2005 vintage 2000A and although my tubes' parameters are showing fine I decided to order a pair this past week from Vine Antennas in England. They have a custom built test fixture where they can test the tubes under varying parameters.

Not sure if there is anyone Stateside that can test it other than putting it in an amplifier.
You can contact Array Solutions to ask how they test the tubes. Shipping the tube to England and back for testing would not be economical.

Dave, wo2x

On 1/17/2015 6:29 PM, n1tch@... [acom-list] wrote:
>
> When I bought my A1000 it came with a spare tube of unknown history.
> Is there somewhere that I can have it tested? Also, my shack is in the
> cellar, I live in New Hampshire, and it gets pretty chilly - 55 F or
> so. Considering that the humidity is very low is there a reason to
> worry about the warning regarding condensation?
>
> Thanks in advance for any information.
>
>
> 73, Pete N1TCH
>
>

6296. RE: [acom-list] Re: Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-19 11:48:51 UTC
From: Kees - pa7two
Topic: 6281 Message: 6296

Use
an SK-1A socket with a chimney with an appropriate blower mounted underneat. Solder leads to each pin and mark these. This way you can have the tube properly cooled and you can measure on the go at the same time.

Also swing the tube while putting it on its side from left to right and back, do this a few times. No shorts may appear being in cold or hot (heated) conditions.

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 17 Jan 2015 20:33:11 -0800
Subject: [acom-list] Re: Getting a GU74B tested

Contact Array Solutions. They'll check them out for a fee.

6297. Acom 600S tools, documentation, firmware

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-19 13:13:06 UTC
From: on4vp@...
Topic: 6297 Message: 6297

Hi group,

To all 600S solid state owners, Acom has put all the files, firmware releases, photos, manual, tools on his website for download. Just select the amplifiers section, select the 600S and choose downloads.

amplifiers http://www.acom-bg.com/amplifiers.html

amplifiers http://www.acom-bg.com/amplifiers.html ☐

View on www.acom-bg.com http://www.acom-bg.com/amplifiers.html
Preview by Yahoo

73 Phil ON4VP

6298. Re: [acom-list] Re: Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-19 14:18:38 UTC
From: brian
Topic: 6281 Message: 6298

This tests only for shorts. My experience with NOS tubes (besides shorts) is low gain.

73 de Brian/K3KO
On 1/19/2015 11:48 AM, Kees - pa7two pa7two@... [acom-list] wrote:
>
>
>
> Use an SK-1A socket with a chimney with an appropriate blower mounted
> underneat. Solder leads to each pin and mark these. This way you can
> have the tube properly cooled and you can measure on the go at the
> same time.
>
> Also swing the tube while putting it on its side from left to right
> and back, do this a few times. No shorts may appear being in cold or
> hot (heated) conditions.
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
>
>
> --
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Sat, 17 Jan 2015 20:33:11 -0800
> Subject: [acom-list] Re: Getting a GU74B tested
>
> Contact Array Solutions. They'll check them out for a fee.
>
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>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5645 / Virus Database: 4260/8959 - Release Date: 01/19/15
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6299. RE: [acom-list] Re: Getting a GU74B tested

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-19 19:16:04 UTC
From: Kees - pa7two
Topic: 6281 Message: 6299

Hi OM Brian,

This email chain was about (1st response that is) internal shorts :-)

Low gain? Depends on year of make. I would say production years 1989<>1992 and younger than 2005 (2006<>now) are the better ones. One might disagree, these are just my findings after all.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Mon, 19 Jan 2015 14:18:38 +0000
> Subject: Re: [acom-list] Re: Getting a GU74B tested
>
> This tests only for shorts. My experience with NOS tubes (besides
> shorts) is low gain.
>
> 73 de Brian/K3KO
> On 1/19/2015 11:48 AM, Kees - pa7two pa7two@hotmail.com [acom-list] wrote:
> >
> >
> >
> > Use an SK-1A socket with a chimney with an appropriate blower mounted
> > underneat. Solder leads to each pin and mark these. This way you can
> > have the tube properly cooled and you can measure on the go at the
> > same time.
> >
> > Also swing the tube while putting it on its side from left to right
> > and back, do this a few times. No shorts may appear being in cold or
> > hot (heated) conditions.
> >
> >
> > Vy 73, de Kees - PA7TWO - M5TWO
> > DX IS and CW RULES!
> >
> > Twitter: @PA7TWO
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> >
> >
> > --
> > To: acom-list@...m
> > From: acom-list@yahoogroups.com

> > Date: Sat, 17 Jan 2015 20:33:11 -0800
> > Subject: [acom-list] Re: Getting a GU74B tested
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> > Contact Array Solutions. They'll check them out for a fee.
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6300. Pair of GU74b tubes from Vine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-20 01:05:28 UTC
From: Dave
Topic: 6300 Message: 6300

Ordered a pair of GU74b tubes from tubes from Vine about a week ago. They shipped Friday and I received them in New Jersey today.

Burned them in for 2 hours to be safe (even though they were tested). Set the bias to 370 mA (EBS defeated). They work great. About 45 watts for legal limit.

Very happy with the process.

I'll rotate them on a regular basis with the originals.

Dave
wo2x

Sent from my tin can & waxed string!

6301. Re: [acom-list] Pair of GU74b tubes from Vine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-20 11:56:06 UTC
From: Mike Harris
Topic: 6300 Message: 6301

When I was running the local comms Earth station (11 metre dish) it was part of the routine maintenance to install the spare 6GHz 1.5kW Klystrons for 48 hours running every six months. A tedious job groping around the back of the tube undoing wave guide flange bolts blind with a non-mag spanner and hoping not to drop the gasket into the PSU.

Happy days,

Mike VP8NO

On 19/01/2015 22:05, Dave RocketNJ@... [acom-list] wrote:
> Ordered a pair of GU74b tubes from tubes from Vine about a week ago. They shipped Friday and I received them in New Jersey today.
>
> Burned them in for 2 hours to be safe (even though they were tested). Set the bias to 370 mA (EBS defeated). They work great. About 45 watts for legal limit.
>
> Very happy with the process.
>
> I'll rotate them on a regular basis with the originals.
>
> Dave
> wo2x

6302. Re: 2000SW

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-20 21:01:29 UTC
From: Jay Terleski
Topic: 6302 Message: 6302

Jim
Val from ACOM asked you the questions.
Please copy all on your answers.

Jay

On Tue, Jan 20, 2015 at 11:18 AM, jim sansoterra <jamesnoland42@...>
wrote:

> Jay the amp is serial 140251
> The selector "box" is connected directly to the RCU as per the drawing on
> page 9, Fig. 2-4. It is connected with a null modem cable.
>
> I will need to unpack and connect the antenna switch to answer your last
> two questions. I can get back to you later today. JIM
>

--
Jay Terleski
Array Solutions
214 954 7140

6303. Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-21 04:35:00 UTC
From: Dave
Topic: 6303 Message: 6303

Hi All,

After installing my new tubes I found the center pins on the RF out connector on the 2000A are slightly loose and not making very good contact to the center pin on the jumper cable. Putting slight pressure on the cable would cause the rx to drop and I was getting arc faults. Changing the cable did not resolve the issue.

I want to change the chassis connector to an Amphenol that I have and was wondering how hard it is to get to the board inside the amp to unsolder and solder the center pin of the connector? Has anyone done this to their amp?

Thanks
Dave
wo2x

6304. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-21 08:50:17 UTC
From: Hans Remeeus
Topic: 6303 Message: 6304

Dear Dave,

I know someone who did this. It's Paul Clemens DL4RAJ. Here are his results (in German language, perhaps to be translated by means of Google Translate):

/Nach einem halben Jahr immer h?ufiger Kontaktprobleme im Empfang und beim Senden (->"Arcing"-Meldung)./
//
/Vakuum-Relais als vermeintliche Ursache ausgetauscht (Relais wurde auf Garantie zugesendet, Austausch selbst vorgenommen)./
//
/Danach erst mal st?rungsfreier Betrieb f?r ein Jahr. (Im Nachhinein wei? ich jetzt, da? das Aus- und Einstecken der Koaxstecker bei den Montagearbeiten/
//
/den Fehler vor?bergehend erst mal beseitigt hat). Dann wieder die gleichen Probleme./
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/Auf Ihren Tipp hin im Empfangsbetrieb bei Eintritt des Fehlers Relais ?berbr?ckt und festgestellt, da? es nicht die Ursache ist./
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/Nach l?ngerer Suche mit Ausbau der beiden zuf?hrenden Koaxkabel inclusive der kleinen Platine im Ausgangszweig //konnte ich die Teflon-Koaxbuchse im Ausgang als "?belt?ter" ermitteln: Die H?lse f?r den Innenleiterkontakt ist im Innendurchmesser zu weit,vermutlich durch zu gro?e Fertigungstoleranzen./
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/Der Antennenstecker wurde seit Inbetriebnahme der Endstufe ja nur wenige Male aus- und eingesteckt./
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/Jetzt absolut st?rungsfreier Betrieb. Ein Bild mit der Teleg?rtner-Buchse (links) und der original Acom-Buchse (rechts) habe ich angeh?ngt.//
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/Exactly the same problems as you have! The center female pin of the SO239 on the Acom 2000A gets wide!

My Acom 2000A is more than ten years old. I am planning to replace both the SO239 by N-connectors.
(IMHO) N-connectors of Rosenberger, Suhner or Radiall are in more reasons of much better quality than SO239 (IMHO).

The INPUT connector is fairly easy to replace. The OUTPUT connector (at the side of the two tubes) is different and much more complicated. You have to remove both the tubes and several other parts to get near to the connector. Very complicated to do, but not impossible! You have to be very careful and note which parts you did remove and where they belong. I am considering a step-by-step instruction how to replace both the connectors.

That's all I can tell you for the moment.

Looking forward to your reply and conclusions. And of course opinions of others.

73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Dave RocketNJ@... [acom-list] schreef op 21-1-2015 om 05:35:
> Hi All,
>
> After installing my new tubes I found the center pins on the RF out
> connector on the 2000A are slightly loose and not making very good
> contact to the center pin on the jumper cable. Putting slight pressure
> on the cable would cause the rx to drop and I was getting arc faults.
> Changing the cable did not resolve the issue.
>
> I want to change the chassis connector to an Amphenol that I have and
> was wondering how hard it is to get to the board inside the amp to
> unsolder and solder the center pin of the connector? Has anyone done
> this to their amp?
>
> Thanks
> Dave
> wo2x
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> ------------------------------------
> Posted by: Dave <rocketnj@...>
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> Yahoo Groups Links
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6305. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-21 12:10:08 UTC
From: Hal Kennedy
Topic: 6303 Message: 6305

A few thoughts -

- If you are going to do this, or anything this complicated, take a cell phone picture every step of the way.
- Amphenol PL-259s have the proper center pin size, almost all of the bargain PL-259s I have come across are smaller. Some are a lot smaller. The $1 PL-259s hamfest special connectors are all useless junk. "Amphenol or not at all." You should be able to just barely finger-twist a 1/8th inch drill bit into the center pin.
- Junk SO-239s are just as common as junk PL-259s, and their biggest problem is a loss of spring tension. Replacing these is always a good idea but sometimes a lot of work. I have no idea what's on my 2000As. The quick work-around is to wrap a few turns of thin copper foil on the center pin of the PL-259. This works well but is of course not very elegant.

73
Hal N4GG

On 1/21/2015 3:50 AM, Hans Remeeus hans@... [acom-list] wrote:
>
>
> Dear Dave,
>
> I know someone who did this. It's Paul Clemens DL4RAJ. Here are his
> results (in German language, perhaps to be translated by means of
> Google Translate):
>
> /Nach einem halben Jahr immer h?ufiger Kontaktprobleme im Empfang und
> beim Senden (->"Arcing"-Meldung)./
> //
> /Vakuum-Relais als vermeintliche Ursache ausgetauscht (Relais wurde
> auf Garantie zugesendet, Austausch selbst vorgenommen)./
> //
> /Danach erst mal st?rungsfreier Betrieb f?r ein Jahr. (Im Nachhinein
> wei? ich jetzt, da? das Aus- und Einstecken der Koaxstecker bei den
> Montagearbeiten/
> //
> /den Fehler vor?bergehend erst mal beseitigt hat). Dann wieder die
> gleichen Probleme./
> //
> /Auf Ihren Tipp hin im Empfangsbetrieb bei Eintritt des Fehlers Relais
> ?berbr?ckt und festgestellt, da? es nicht die Ursache ist./
> //
> /Nach l?ngerer Suche mit Ausbau der beiden zuf?hrenden
> Koaxkabel inclusive der kleinen Platine im Ausgangszweig //konnte

> ich die Teflon-Koaxbuchse im Ausgang als "?belt?ter" ermitteln: Die
> H?lse f?r den Innenleiterkontakt ist im Innendurchmesser zu
> weit,vermutlich durch zu gro?e Fertigungstoleranzen./
> //
> /Der Antennenstecker wurde seit Inbetriebnahme der Endstufe ja nur
> wenige Male aus- und eingesteckt./
> //
> /Ich habe mir nun selbst von B?rklin eine Mil-Norm PL-Buchse aus
> deutscher //Fertigung (Teleg?rtner) besorgt und eingebaut./
> //
> /Jetzt absolut st?rungsfreier Betrieb. Ein Bild mit der
> Teleg?rtner-Buchse (links) und der original Acom-Buchse (rechts) habe
> ich angeh?ngt.//
> //
> /Exactly the same problems as you have! The center female pin of the
> SO239 on the Acom 2000A gets wide!
>
> My Acom 2000A is more than ten years old. I am planning to replace
> both the SO239 by N-connectors.
> (IMHO) N-connectors of Rosenberger, Suhner or Radiall are in more
> reasons of much better quality than SO239 (IMHO).
>
> The INPUT connector is fairly easy to replace. The OUTPUT connector
> (at the side of the two tubes) is different and much more complicated.
> You have to remove both the tubes and several other parts to get near
> to the connector. Very complicated to do, but not impossible! You have
> to be very careful and note which parts you did remove and where they
> belong. I am considering a step-by-step instruction how to replace
> both the connectors.
>
> That's all I can tell you for the moment.
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> Looking forward to your reply and conclusions. And of course opinions
> of others.
>
> 73! Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
> Dave RocketNJ@... [acom-list] schreef op 21-1-2015 om 05:35:
>> Hi All,
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>> connector on the 2000A are slightly loose and not making very good
>> contact to the center pin on the jumper cable. Putting slight pressure
>> on the cable would cause the rx to drop and I was getting arc faults.

>> Changing the cable did not resolve the issue.
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>> I want to change the chassis connector to an Amphenol that I have and
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>> unsolder and solder the center pin of the connector? Has anyone done
>> this to their amp?
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>> Thanks
>> Dave
>> wo2x
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>> ------------------------------------
>> Posted by: Dave<rocketnj@...>
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6306. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-21 13:16:19 UTC
From: bobk8ia@...
Topic: 6303 Message: 6306

Hal is right on about the quality of some of the PL-259's being sold. I had a similar problem with my Acom 1000, the center receptacle of the SO-239 seemingly too big and a loose output connection. It turned out to be a smaller than spec PL-259 center conductor pin on the output coax. A commercial assembly no less.

I replaced that PL-259 with an Amphenol and all was well. Lots easier than disassembling the amp.

73, Bob K8IA
Arizona Outlaws Contest Club

In a message dated 1/21/2015 5:10:13 A.M. US Mountain Standard Time, acom-list@yahoogroups.com writes:

A few thoughts -

- If you are going to do this, or anything this complicated, take a cell phone picture every step of the way.
- Amphenol PL-259s have the proper center pin size, almost all of the bargain PL-259s I have come across are smaller. Some are a lot smaller. The $1 PL-259s hamfest special connectors are all useless junk. "Amphenol or not at all." You should be able to just barely finger-twist a 1/8th inch drill bit into the center pin.
- Junk SO-239s are just as common as junk PL-259s, and their biggest problem is a loss of spring tension. Replacing these is always a good idea but sometimes a lot of work. I have no idea what's on my 2000As. The quick work-around is to wrap a few turns of thin copper foil on the center pin of the PL-259. This works well but is of course not very elegant.

73
Hal N4GG

On 1/21/2015 3:50 AM, Hans Remeeus _hans@remeeus.eu_ (mailto:hans@...) [acom-list] wrote:

Dear Dave,

I know someone who did this. It's Paul Clemens DL4RAJ. Here are his results (in German language, perhaps to be translated by means of Google Translate):

Nach einem halben Jahr immer häufiger Kontaktprobleme im Empfang und beim Senden (->"Arcing"-Meldung).
Vakuum-Relais als vermeintliche Ursache ausgetauscht (Relais wurde auf Garantie zugesendet, Austausch selbst vorgenommen).
Danach erst mal störungsfreier Betrieb für ein Jahr. (Im Nachhinein weiß

ich jetzt, daß das Aus- und Einstecken der Koaxstecker bei den
Montagearbeiten
den Fehler vorübergehend erst mal beseitigt hat). Dann wieder die gleichen
Probleme.
Auf Ihren Tipp hin im Empfangsbetrieb bei Eintritt des Fehlers Relais
überbrückt und festgestellt, daß es nicht die Ursache ist.
Nach längerer Suche mit Ausbau der beiden zuführenden Koaxkabel inclusive
der kleinen Platine im Ausgangszweig konnte ich die Teflon-Koaxbuchse im
Ausgang als "Übeltäter" ermitteln: Die Hülse für den Innenleiterkontakt ist
im Innendurchmesser zu weit,vermutlich durch zu große Fertigungstoleranzen.
Der Antennenstecker wurde seit Inbetriebnahme der Endstufe ja nur wenige
Male aus- und eingesteckt.
Ich habe mir nun selbst von Bürklin eine Mil-Norm PL-Buchse aus deutscher
Fertigung (Telegärtner) besorgt und eingebaut.
Jetzt absolut störungsfreier Betrieb. Ein Bild mit der Telegärtner-Buchse
(links) und der original Acom-Buchse (rechts) habe ich angehängt.

Exactly the same problems as you have! The center female pin of the SO239
on the Acom 2000A gets wide!

My Acom 2000A is more than ten years old. I am planning to replace both
the SO239 by N-connectors.
(IMHO) N-connectors of Rosenberger, Suhner or Radiall are in more reasons
of much better quality than SO239 (IMHO).

The INPUT connector is fairly easy to replace. The OUTPUT connector (at
the side of the two tubes) is different and much more complicated. You have
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and note which parts you did remove and where they belong. I am considering
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That's all I can tell you for the moment.

Looking forward to your reply and conclusions. And of course opinions of
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73! Hans.

Vriendelijke groeten,

Hans Remeeus (PA1HR/OE3JRC)

http://www.remeeus.eu (http://www.remeeus.eu/)

http://www.hansremeeus.nl (http://www.hansremeeus.nl/)

Communication is about people, the rest is technology.

Dave _RocketNJ@...m_ (mailto:RocketNJ@...) [acom-list] schreef
op 21-1-2015 om 05:35:

Hi All,

After installing my new tubes I found the center pins on the RF out connector on the 2000A are slightly loose and not making very good contact to the center pin on the jumper cable. Putting slight pressure on the cable would cause the rx to drop and I was getting arc faults. Changing the cable did not resolve the issue.

I want to change the chassis connector to an Amphenol that I have and was wondering how hard it is to get to the board inside the amp to unsolder and solder the center pin of the connector? Has anyone done this to their amp?

Thanks

Dave

wo2x

Posted by: Dave _<rocketnj@gmail.com>_ (mailto:rocketnj@...)

Yahoo Groups Links

http://groups.yahoo.com/group/acom-list/

Individual Email | Traditional

http://groups.yahoo.com/group/acom-list/join

(Yahoo! ID required)

acom-list-digest@yahoogroups.com
(mailto:acom-list-digest@yahoogroups.com)

acom-list-fullfeatured@yahoogroups.com
(mailto:acom-list-fullfeatured@yahoogroups.com)

acom-list-unsubscribe@yahoogroups.com
(mailto:acom-list-unsubscribe@yahoogroups.com)

https://info.yahoo.com/legal/us/yahoo/utos/terms/

6307. Re: 2000SW

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-21 15:39:40 UTC
From: Jay Terleski
Topic: 6302 Message: 6307

Apologies for the wrong post to the group. Seems as if my auto-fill launched this message to the group rather then ACOM. Were working on sorting out a 2000SW antenna switch that partially works.

Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

6308. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-23 06:35:56 UTC
From: <aivers30868@...>
Topic: 6303 Message: 6308

I had the exact similar issue with my ACOM2000, the output female connector is simply too loose for a tight connection, a common ACOM issue I think, I simply took the connecter (out) cable I was using to connect the amp to the antenna switch box, put on a little more solder on the center conductor and it fits tight. fixed

Joe, w6vnr

-----Original Message-----
From: "Hans Remeeus hans@... [acom-list]"
Sent: Jan 21, 2015 12:50 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

Dear Dave,

I know someone who did this. It's Paul Clemens DL4RAJ. Here are his results (in German language, perhaps to be translated by means of Google Translate):

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/Danach erst mal störungsfreier Betrieb für ein Jahr. (Im Nachhinein weiß ich jetzt, daß das Aus- und Einstecken der Koaxstecker bei den Montagearbeiten/
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/Auf Ihren Tipp hin im Empfangsbetrieb bei Eintritt des Fehlers Relais überbrückt und festgestellt, daß es nicht die Ursache ist./
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//
/Der Antennenstecker wurde seit Inbetriebnahme der Endstufe ja nur wenige Male aus- und eingesteckt./
//
/Ich habe mir nun selbst von Bürklin eine Mil-Norm PL-Buchse aus deutscher //Fertigung (Telegärtner) besorgt und eingebaut./

//
/Jetzt absolut störungsfreier Betrieb. Ein Bild mit der
Telegärtner-Buchse (links) und der original Acom-Buchse (rechts) habe
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/Exactly the same problems as you have! The center female pin of the
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73! Hans.

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Dave RocketNJ@... [acom-list] schreef op 21-1-2015 om 05:35:
> Hi All,
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> Thanks
> Dave
> wo2x
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> ------------------------------------
> Posted by: Dave
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6309. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-23 06:55:24 UTC
From: ZL2AAA
Topic: 6303 Message: 6309

You wouldn’t think it was a crappy PL259 that was the problem???Morrie

From: mailto:acom-list@yahoogroups.com
Sent: Friday, January 23, 2015 7:35 PM
To: acom-list@yahoogroups.com ; acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

I had the exact similar issue with my ACOM2000, the output female connector is simply too loose for a tight connection, a common ACOM issue I think, I simply took the connecter (out) cable I was using to connect the amp to the antenna switch box, put on a little more solder on the center conductor and it fits tight. fixed

Joe, w6vnr

-----Original Message-----
From: "Hans Remeeus hans@... [acom-list]"
Sent: Jan 21, 2015 12:50 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

Dear Dave,

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//
/den Fehler vorübergehend erst mal beseitigt hat). Dann wieder die gleichen Probleme./
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//
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wenige Male aus- und eingesteckt./
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/Jetzt absolut störungsfreier Betrieb. Ein Bild mit der
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Looking forward to your reply and conclusions. And of course opinions of
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Dave RocketNJ@... [acom-list] schreef op 21-1-2015 om 05:35:
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> ------------------------------------
> Posted by: Dave
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> Yahoo Groups Links
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This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

6310. Spares

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-23 17:10:44 UTC
From: Jay Terleski
Topic: 6310 Message: 6310

Val,
I need to add to the spares list.

add two LV transformers for ACOM 2000A if you only have one we will take it.

We had one die last night on the bench. I need it as soon as possible, and one for a spar
This was in a 2004 amplifier. It was intermittent causing all kinds of issues for the customer, at least it finally revealed itself to us.

Can you put a box of spares together for me right away and ship it directly to us so we can get this transformer and whatever other spares you can fit in from my list.

Thank you
Jay

--
Jay Terleski
Array Solutions
214 954 7140

6311. Re: Spares

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-23 17:34:35 UTC
From: Jay Terleski
Topic: 6310 Message: 6311

This darn email auto address is killing me 8o(
apologies to the group.
Jay

On Fri, Jan 23, 2015 at 11:10 AM, Jay Terleski <jayt@...>
wrote:

> Val,
> I need to add to the spares list.
>
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> it.
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> We had one die last night on the bench. I need it as soon as possible,
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> can fit in from my list.
>
> Thank you
> Jay
>
> --
> Jay Terleski
> Array Solutions
> 214 954 7140
>
>

--
Jay Terleski
Array Solutions
214 954 7140

6312. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-26 02:33:42 UTC
From: <aivers30868@...>
Topic: 6303 Message: 6312

did not say it is ''crappy'', I believe it was my cable, I used NON Amphenol connectors, which have varied tolerances on the tip diameter, knock offs tend not to be exact. ?I am going to redo all my cables if not already Amphenol, with genuine Amphenol connectors.

Joe w6vnr

-----Original Message-----
From: "'ZL2AAA' zl2aaa@... [acom-list]"
Sent: Jan 22, 2015 10:55 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

You wouldn’t think it was a crappy PL259 that was the problem???Morrie

From: mailto:acom-list@yahoogroups.com
Sent: Friday, January 23, 2015 7:35 PM
To: acom-list@yahoogroups.com ; acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

I had the exact similar issue with my ACOM2000, the output female connector is simply too loose for a tight connection, a common ACOM issue I think, I simply took the connecter (out) cable I was using to connect the amp to the antenna switch box, put on a little more solder on the center conductor and it fits tight. fixed

Joe, w6vnr

-----Original Message-----
From: "Hans Remeeus hans@... [acom-list]"
Sent: Jan 21, 2015 12:50 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

Dear Dave,

I know someone who did this. It's Paul Clemens DL4RAJ. Here are his results (in German language, perhaps to be translated by means of Google Translate):

/Nach einem halben Jahr immer häufiger Kontaktprobleme im Empfang und beim Senden (->"Arcing"-Meldung)./
//
/Vakuum-Relais als vermeintliche Ursache ausgetauscht (Relais wurde auf Garantie zugesendet, Austausch selbst vorgenommen)./
//
/Danach erst mal störungsfreier Betrieb für ein Jahr. (Im Nachhinein weiß ich jetzt, daß das Aus- und Einstecken der Koaxstecker bei den Montagearbeiten/

//
/den Fehler vorübergehend erst mal beseitigt hat). Dann wieder die
gleichen Probleme./
//
/Auf Ihren Tipp hin im Empfangsbetrieb bei Eintritt des Fehlers Relais
überbrückt und festgestellt, daß es nicht die Ursache ist./
//
/Nach längerer Suche mit Ausbau der beiden zuführenden
Koaxkabel inclusive der kleinen Platine im Ausgangszweig //konnte
ich die Teflon-Koaxbuchse im Ausgang als "Übeltäter" ermitteln: Die
Hülse für den Innenleiterkontakt ist im Innendurchmesser zu
weit,vermutlich durch zu große Fertigungstoleranzen./
//
/Der Antennenstecker wurde seit Inbetriebnahme der Endstufe ja nur
wenige Male aus- und eingesteckt./
//
/Ich habe mir nun selbst von Bürklin eine Mil-Norm PL-Buchse aus
deutscher //Fertigung (Telegärtner) besorgt und eingebaut./
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/Jetzt absolut störungsfreier Betrieb. Ein Bild mit der
Telegärtner-Buchse (links) und der original Acom-Buchse (rechts) habe
ich angehängt.//
//
/Exactly the same problems as you have! The center female pin of the
SO239 on the Acom 2000A gets wide!

My Acom 2000A is more than ten years old. I am planning to replace both
the SO239 by N-connectors.
(IMHO) N-connectors of Rosenberger, Suhner or Radiall are in more
reasons of much better quality than SO239 (IMHO).

The INPUT connector is fairly easy to replace. The OUTPUT connector (at
the side of the two tubes) is different and much more complicated. You
have to remove both the tubes and several other parts to get near to the
connector. Very complicated to do, but not impossible! You have to be
very careful and note which parts you did remove and where they belong.
I am considering a step-by-step instruction how to replace both the
connectors.

That's all I can tell you for the moment.

Looking forward to your reply and conclusions. And of course opinions of
others.

73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Dave RocketNJ@... [acom-list] schreef op 21-1-2015 om 05:35:
> Hi All,
>
> After installing my new tubes I found the center pins on the RF out
> connector on the 2000A are slightly loose and not making very good
> contact to the center pin on the jumper cable. Putting slight pressure
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> this to their amp?
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> Thanks
> Dave
> wo2x
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> ------------------------------------
> Posted by: Dave
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> Yahoo Groups Links
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http://www.avast.com

6313. RE: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-26 08:39:18 UTC
From: Máximo EA1DDO_HK1H
Topic: 6303 Message: 6313

Hi all,

Any high quality SO-239 connector will be good.
Perhaps in state side are easier to find Amphenol brand, but other quality brands (from Germany, Swiss, UK, etc.) as Rosenberger, Suhner, Radiall, etc. are very good as well.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 25 Jan 2015 18:33:42 -0800
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

did not say it is ''crappy'', I believe it was my cable, I used NON Amphenol connectors, which have varied tolerances on the tip diameter, knock offs tend not to be exact. I am going to redo all my cables if not already Amphenol, with genuine Amphenol connectors.

Joe w6vnr

-----Original Message-----

From: "'ZL2AAA' zl2aaa@... [acom-list]"

Sent: Jan 22, 2015 10:55 PM

To: acom-list@yahoogroups.com

Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

You wouldn’t think it was a crappy PL259 that was the problem???Morrie

From: mailto:acom-list@yahoogroups.com
Sent: Friday, January 23, 2015 7:35 PM
To: acom-list@yahoogroups.com ; acom-list@yahoogroups.com
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

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That's all I can tell you for the moment.

Looking forward to your reply and conclusions. And of course opinions of
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73! Hans.

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6314. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-26 09:21:37 UTC
From: ZL2AAA
Topic: 6303 Message: 6314

I had the exact similar issue with my ACOM2000, the output female connector is simply too loose for a tight connection, a common ACOM issue I think

If you had to put more solder on the PL259 to make it fit would you consider the Pl259 was crappy not the SO239 supplied by Acom??

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 25 Jan 2015 18:33:42 -0800
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

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http://www.avast.com

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6315. EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 15:57:29 UTC
From: Rich Hallman - N7TR
Topic: 6315 Message: 6315

I have read several forums regarding the disabling of the EBS circuit in the ACOM 2000a. Wanted to know what the consensus of the group is if this helps to disable EBS or not?

Thanks...
Rich

Rich N7TR
ex KI3V, N3AMK, WB3JOV
www.n7tr.com<http://www.n7tr.com>
http://www.qrz.com/db/N7TR
Telnet: dxc.n7tr.com N7TR DXCluster

6316. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 16:07:53 UTC
From: Dave
Topic: 6315 Message: 6316

I have mine disabled. Tubes run slightly warmer on idle but well within range.

You can hear the difference in tx audio with it enabled vs disabled. Most people would be ok with EBS enabled but for those of us that are into audio it sounds better disabled.

So, what type of operating do you primarily do? That will determine if you should mod the amp.

73
Dave
wo2x

Sent from my iPad

> On Jan 31, 2015, at 10:57 AM, Rich Hallman - N7TR rich@n7tr.com [acom-list] <acom-list@yahoogroups.com> wrote:
>
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6317. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 16:08:57 UTC
From: Hans Remeeus
Topic: 6315 Message: 6317

Disable!

Your Acom 2000A will not get much hotter without the EBS.

It gives you better audio. It did with mine...

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
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Rich Hallman - N7TR rich@... [acom-list] schreef op 31-1-2015 om 16:57:
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>

6318. RE: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 16:15:47 UTC
From: Bill Hider
Topic: 6315 Message: 6318

Please tell us uninformed what EBS is, what it's used for, and how to disable it.

TNX

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, January 31, 2015 11:09 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS or Not?

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5646 / Virus Database: 4273/9032 - Release Date: 01/31/15

6319. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 16:23:33 UTC
From: K0DAN
Topic: 6315 Message: 6319

I think there’s some improvement in the audio, especially crunchy sounds with sudden high levels of modulation. I don’t notice much difference in temperature or fan running. I did the mod during other repairs to the amplifier, and the mod was super simple (a jumper), and readily accessible. This was on a late 90’s vintage 2000A. The mod is also easily reversed if you so choose.
73
dan
k0dan

From: mailto:acom-list@yahoogroups.com
Sent: January 31, 2015 09:57
To: acom-list@yahoogroups.com
Subject: [acom-list] EBS or Not?

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6320. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 20:38:42 UTC
From: Hans Remeeus
Topic: 6315 Message: 6320

Hello Bill,

In short:

EBS stands for Electronic Bias System. It regulates the bias voltage on your two tubes.

Low audio means low bias voltage
High audio means high bias voltage

While modulating the bias voltage will vary in a few steps, regulated by the EBS.

Those steps may cause audio distortion.

Of course this is only applicable when you transmit SSB or AFSK applications. Not with CW.

73, Hans.

Vriendelijke groeten,
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> disable it.
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> TNX
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> Version: 2015.0.5646 / Virus Database: 4273/9032 - Release Date: 01/31/15
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6321. RE: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-01-31 21:58:41 UTC
From: Kees - pa7two
Topic: 6315 Message: 6321

Hi Bill,

I would ask ACOM what they think about the solution. For me only their opinion matters to be honest.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 31 Jan 2015 21:38:42 +0100
Subject: Re: [acom-list] EBS or Not?

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Communication is about people, the rest is technology.
Rich Hallman - N7TR rich@...
[acom-list] schreef op 31-1-2015 om 16:57:

I
have read several forums regarding the disabling of
the EBS circuit in the ACOM 2000a. Wanted to know
what the consensus of the group is if this helps to
disable EBS or not?

Thanks…
Rich

Rich N7TR
ex KI3V, N3AMK, WB3JOV
www.n7tr.com
http://www.qrz.com/db/N7TR
Telnet: dxc.n7tr.com N7TR
DXCluster

No
virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.5646 / Virus Database: 4273/9032 - Release
Date: 01/31/15

6322. RE: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 05:37:00 UTC
From: Bill Hider
Topic: 6315 Message: 6322

Thank you very much Hans.

73,

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, January 31, 2015 3:39 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] EBS or Not?

Hello Bill,

In short:

EBS stands for Electronic Bias System. It regulates the bias voltage on your
two tubes.

Low audio means low bias voltage
High audio means high bias voltage

While modulating the bias voltage will vary in a few steps, regulated by the
EBS.

Those steps may cause audio distortion.

Of course this is only applicable when you transmit SSB or AFSK
applications. Not with CW.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Bill Hider' n3rr@... [acom-list] schreef op 31-1-2015 om 17:15:

Please tell us uninformed what EBS is, what it's used for, and how to
disable it.

TNX

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, January 31, 2015 11:09 AM
To: acom-list@yahoogroups.com

Subject: Re: [acom-list] EBS or Not?

Disable!

Your Acom 2000A will not get much hotter without the EBS.

It gives you better audio. It did with mine...

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Rich Hallman - N7TR rich@... [acom-list] schreef op 31-1-2015 om 16:57:

I have read several forums regarding the disabling of the EBS circuit in the
ACOM 2000a. Wanted to know what the consensus of the group is if this helps
to disable EBS or not?

Thanks.

Rich

Rich N7TR

ex KI3V, N3AMK, WB3JOV

www.n7tr.com

http://www.qrz.com/db/N7TR

Telnet: dxc.n7tr.com N7TR DXCluster

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5646 / Virus Database: 4273/9032 - Release Date: 01/31/15

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5646 / Virus Database: 4273/9033 - Release Date: 01/31/15

6323. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 05:58:02 UTC
From: Skip Guenter
Topic: 6315 Message: 6323

What models of ACOMs have this?

On 01/31/2015 11:37 PM, 'Bill Hider' n3rr@... [acom-list] wrote:
>
> Thank you very much Hans.
>
> 73,
>
> Bill N3RR
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Saturday, January 31, 2015 3:39 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] EBS or Not?
>
>
> Hello Bill,
>
> In short:
>
> EBS stands for Electronic Bias System. It regulates the bias voltage
> on your two tubes.
>
> Low audio means low bias voltage
> High audio means high bias voltage
>
> While modulating the bias voltage will vary in a few steps, regulated
> by the EBS.
>
> Those steps may cause audio distortion.
>
> Of course this is only applicable when you transmit SSB or AFSK
> applications. Not with CW.
>
> 73, Hans.
>
>
>
>
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.

>
> 'Bill Hider' n3rr@... <mailto:n3rr@...> [acom-list]
> schreef op 31-1-2015 om 17:15:
>
> Please tell us uninformed what EBS is, what it?s used for, and how
> to disable it.
>
> TNX
>
> Bill N3RR
>
> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com]
> *Sent:* Saturday, January 31, 2015 11:09 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] EBS or Not?
>
>
> Disable!
>
> Your Acom 2000A will not get much hotter without the EBS.
>
> It gives you better audio. It did with mine...
>
> 73, Hans.
>
>
>
>
> Vriendelijke groeten,
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> Hans Remeeus (PA1HR/OE3JRC)
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> http://www.remeeus.eu
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> http://www.hansremeeus.nl
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> Communication is about people, the rest is technology.
>
> Rich Hallman - N7TR rich@... <mailto:rich@...>
> [acom-list] schreef op 31-1-2015 om 16:57:
>
> I have read several forums regarding the disabling of the EBS
> circuit in the ACOM 2000a. Wanted to know what the consensus
> of the group is if this helps to disable EBS or not?
>
> Thanks?
>
> Rich
>

> Rich N7TR
>
> ex KI3V, N3AMK, WB3JOV
>
> www.n7tr.com <http://www.n7tr.com>
>
> http://www.qrz.com/db/N7TR
>
> Telnet: dxc.n7tr.com N7TR DXCluster
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5646 / Virus Database: 4273/9032 - Release Date:
> 01/31/15
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> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5646 / Virus Database: 4273/9033 - Release Date: 01/31/15
>
>

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6324. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 06:59:20 UTC
From: Hans Remeeus
Topic: 6315 Message: 6324

That's hard to tell Guenter. My Acom 2000A is 10 years old.

Acom was very helpfull with information and instructions when I carried
out the (very simple to do) EBS modification.

You may have a look on my internetsite for more details and photo's of
the EBS modification:
http://www.remeeus.eu/index.php/ham-radio/linear-amplifiers/acom-2000a-ebs-modification-an
d-installation-of-the-optional-fan.html

Additionally you may read the e-mail of Paul W9AC and Marty KA7GKN of
February 9th 2011 for their opinion. You will find their interesting
mails in our yahoogroup directories.

Very interesting too is what W8JI wrote about EBS:
http://www.w8ji.com/electronic_bias.htm

Please let me know if you (or anybody else) need further information.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Skip Guenter sguenter@... [acom-list] schreef op 1-2-2015 om
06:58:
>
>
> What models of ACOMs have this?
>
> On 01/31/2015 11:37 PM, 'Bill Hider' n3rr@... [acom-list] wrote:
>>
>> Thank you very much Hans.
>>
>> 73,
>>
>> Bill N3RR
>>
>> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
>> *Sent:* Saturday, January 31, 2015 3:39 PM
>> *To:* acom-list@yahoogroups.com
>> *Subject:* Re: [acom-list] EBS or Not?
>>
>>

>> Hello Bill,
>>
>> In short:
>>
>> EBS stands for Electronic Bias System. It regulates the bias voltage
>> on your two tubes.
>>
>> Low audio means low bias voltage
>> High audio means high bias voltage
>>
>> While modulating the bias voltage will vary in a few steps, regulated
>> by the EBS.
>>
>> Those steps may cause audio distortion.
>>
>> Of course this is only applicable when you transmit SSB or AFSK
>> applications. Not with CW.
>>
>> 73, Hans.
>>
>>
>>
>>
>>
>> Vriendelijke groeten,
>> Hans Remeeus (PA1HR/OE3JRC)
>> http://www.remeeus.eu
>> http://www.hansremeeus.nl
>> Communication is about people, the rest is technology.
>>
>> 'Bill Hider' n3rr@... <mailto:n3rr@...> [acom-list]
>> schreef op 31-1-2015 om 17:15:
>>
>> Please tell us uninformed what EBS is, what it?s used for, and
>> how to disable it.
>>
>> TNX
>>
>> Bill N3RR
>>
>> *From:*acom-list@yahoogroups.com
>> <mailto:acom-list@yahoogroups.com>
>> [mailto:acom-list@yahoogroups.com]
>> *Sent:* Saturday, January 31, 2015 11:09 AM
>> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
>> *Subject:* Re: [acom-list] EBS or Not?
>>
>>
>> Disable!
>>

>> Your Acom 2000A will not get much hotter without the EBS.
>>
>> It gives you better audio. It did with mine...
>>
>> 73, Hans.
>>
>>
>>
>>
>> Vriendelijke groeten,
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>> Hans Remeeus (PA1HR/OE3JRC)
>>
>> http://www.remeeus.eu
>>
>> http://www.hansremeeus.nl
>>
>> Communication is about people, the rest is technology.
>>
>> Rich Hallman - N7TR rich@... <mailto:rich@...>
>> [acom-list] schreef op 31-1-2015 om 16:57:
>>
>> I have read several forums regarding the disabling of the EBS
>> circuit in the ACOM 2000a. Wanted to know what the consensus
>> of the group is if this helps to disable EBS or not?
>>
>> Thanks?
>>
>> Rich
>>
>> Rich N7TR
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>> ex KI3V, N3AMK, WB3JOV
>>
>> www.n7tr.com <http://www.n7tr.com>
>>
>> http://www.qrz.com/db/N7TR
>>
>> Telnet: dxc.n7tr.com N7TR DXCluster
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2015.0.5646 / Virus Database: 4273/9032 - Release Date:
>> 01/31/15
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com <http://www.avg.com>
>> Version: 2015.0.5646 / Virus Database: 4273/9033 - Release Date: 01/31/15
>>
>

> --
> S. R. 'Skip' Guenter, K5SRG
> /3905ccn 40m SSB Late Coord
> Alt Dir, 5th Call Area
> /
>
>
>

6325. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 09:43:44 UTC
From: Barry N1EU
Topic: 6315 Message: 6325

Yes, I remember that Acom helped Hans with the mod and specifically
recommended that the external fan be used in conjunction with the mod.

73, Barry N1EU

On Sun, Feb 1, 2015 at 1:59 AM, Hans Remeeus hans@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
>
> That's hard to tell Guenter. My Acom 2000A is 10 years old.
>
> Acom was very helpfull with information and instructions when I carried
> out the (very simple to do) EBS modification.
>
> You may have a look on my internetsite for more details and photo's of the
> EBS modification:
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> http://www.remeeus.eu/index.php/ham-radio/linear-amplifiers/acom-2000a-ebs-modification-
and-installation-of-the-optional-fan.html
>
> Additionally you may read the e-mail of Paul W9AC and Marty KA7GKN of
> February 9th 2011 for their opinion. You will find their interesting mails
> in our yahoogroup directories.
>
> Very interesting too is what W8JI wrote about EBS:
> http://www.w8ji.com/electronic_bias.htm
>
> Please let me know if you (or anybody else) need further information.
>
> 73, Hans.
>
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Skip Guenter sguenter@... [acom-list] schreef op 1-2-2015 om
> 06:58:
>
> What models of ACOMs have this?
>
> On 01/31/2015 11:37 PM, 'Bill Hider' n3rr@... [acom-list] wrote:
>

>
>
> Thank you very much Hans.
>
>
>
> 73,
>
> Bill N3RR
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com
> <acom-list@yahoogroups.com>]
> *Sent:* Saturday, January 31, 2015 3:39 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] EBS or Not?
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>
>
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>
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> Hello Bill,
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> In short:
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> EBS stands for Electronic Bias System. It regulates the bias voltage on
> your two tubes.
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> Low audio means low bias voltage
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> While modulating the bias voltage will vary in a few steps, regulated by
> the EBS.
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> Those steps may cause audio distortion.
>
> Of course this is only applicable when you transmit SSB or AFSK
> applications. Not with CW.
>
> 73, Hans.
>
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>
>
>
>
> Vriendelijke groeten,
>
> Hans Remeeus (PA1HR/OE3JRC)

>
> http://www.remeeus.eu
>
> http://www.hansremeeus.nl
>
> Communication is about people, the rest is technology.
>
> 'Bill Hider' n3rr@... [acom-list] schreef op 31-1-2015 om 17:15:
>
> Please tell us uninformed what EBS is, what it’s used for, and how to
> disable it.
>
>
>
> TNX
>
> Bill N3RR
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com
> <acom-list@yahoogroups.com>]
> *Sent:* Saturday, January 31, 2015 11:09 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] EBS or Not?
>
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>
>
>
>
>
> Disable!
>
> Your Acom 2000A will not get much hotter without the EBS.
>
> It gives you better audio. It did with mine...
>
> 73, Hans.
>
>
>
>
> Vriendelijke groeten,
>
> Hans Remeeus (PA1HR/OE3JRC)
>
> http://www.remeeus.eu
>
> http://www.hansremeeus.nl
>

> Communication is about people, the rest is technology.
>
> Rich Hallman - N7TR rich@... [acom-list] schreef op 31-1-2015 om
> 16:57:
>
> I have read several forums regarding the disabling of the EBS circuit in
> the ACOM 2000a. Wanted to know what the consensus of the group is if this
> helps to disable EBS or not?
>
>
>
> Thanks…
>
> Rich
>
>
>
> Rich N7TR
>
> ex KI3V, N3AMK, WB3JOV
>
> www.n7tr.com
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> http://www.qrz.com/db/N7TR
>
> Telnet: dxc.n7tr.com N7TR DXCluster
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5646 / Virus Database: 4273/9032 - Release Date: 01/31/15
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5646 / Virus Database: 4273/9033 - Release Date: 01/31/15
>
>
> --
> S. R. 'Skip' Guenter, K5SRG
>
>
> *3905ccn 40m SSB Late Coord Alt Dir, 5th Call Area *
>
>
>

>

6326. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 10:06:42 UTC
From: Hans Remeeus
Topic: 6315 Message: 6326

That's correct.

I installed the external Papst fan, but for other reasons. Sometimes I do 24 hours CW-contesting and the optional fan may help to keep the linear within a reliable temperature range. I am happy with it.

IMVHO the EBS modification does not really need the external fan. The mod will cause about a few degrees C more and will not harm your linear amplifier, in normal circumstances. But for 100% realibility you may install the optional fan.

With or without EBS mod: I always recommend to install an optional fan. Such a Papst fan as I installed is not expensive at all. It is not a lot of work to install the fan, but nice to do. And the fan is extremely silent. So why not install it?

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Barry N1EU barry.n1eu@... [acom-list] schreef op 1-2-2015 om 10:43:
>
>
> Yes, I remember that Acom helped Hans with the mod and specifically
> recommended that the external fan be used in conjunction with the mod.
>
> 73, Barry N1EU
>

6327. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 13:34:21 UTC
From: W5OV@...
Topic: 6315 Message: 6327

Rich,
What you've been told here is all correct but one thing you need to know
is that it voids your warranty.

Acom has provided the details on how to do it properly, but they do not
recommend it or do they consider it necessary. There's always a trade-off
of how to SWITCH (the S stands for switching) the bias levels throughout
the operating range of the amplifier. If you're into "hi-fi" transmit
audio, you may want to do this, but if not, your 2000A's are all fine as
from the factory.

I bet you haven't had any reports of a problem with your transmit audio?

While they're under warranty, you may want to leave them in stock condition.

73,

Bob W5OV
(No longer affiliated with Acom)

On Sat, January 31, 2015 9:57 am, Rich Hallman - N7TR rich@...
[acom-list] wrote:
> I have read several forums regarding the disabling of the EBS circuit in
> the ACOM 2000a. Wanted to know what the consensus of the group is if
> this helps to disable EBS or not?
>
> Thanks...
> Rich
>
>
> Rich N7TR
> ex KI3V, N3AMK, WB3JOV www.n7tr.com<http://www.n7tr.com>
> http://www.qrz.com/db/N7TR
> Telnet: dxc.n7tr.com N7TR DXCluster
>
>
>

6328. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 14:45:22 UTC
From: dxbuster
Topic: 6303 Message: 6328

SO-239 gets loose not because of the spring contact, but because of the PTFE insulator.
A simple surgery may restore the central jack tightness. Just remove about 3/16" deep of the white plastic. Use a hand drill and clean the remains with a sharp screwdriver. Much easier than replacement.

6329. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 14:59:45 UTC
From: Hans Remeeus
Topic: 6303 Message: 6329

All,

Just for my information: Is it the Input SO-239 connector (from the transmitter), or the Output connector (to the antenna) which gets loose? Or both?

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

dxbuster dxbuster@... [acom-list] schreef op 1-2-2015 om 15:45:
>
>
>
> SO-239 gets loose not because of the spring contact, but because of
> the PTFE insulator.
> A simple surgery may restore the central jack tightness. Just remove
> about 3/16" deep of the white plastic. Use a hand drill and clean the
> remains with a sharp screwdriver. Much easier than replacement.
>
>
>

6330. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 15:59:49 UTC
From: Dave
Topic: 6303 Message: 6330

Mine is the output which caused arc fault errors.

I've ordered Amphenol chassis SO239 connectors.

Dave
wo2x

Sent from my tin can & waxed string!

> On Feb 1, 2015, at 9:59 AM, Hans Remeeus hans@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
>
> All,
>
> Just for my information: Is it the Input SO-239 connector (from the transmitter), or the Output connector (to the antenna) which gets loose? Or both?
>
> Tnx and 73, Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
> dxbuster dxbuster@... [acom-list] schreef op 1-2-2015 om 15:45:
>>
>> SO-239 gets loose not because of the spring contact, but because of the PTFE insulator.
>> A simple surgery may restore the central jack tightness. Just remove about 3/16" deep of the white plastic. Use a hand drill and clean the remains with a sharp screwdriver. Much easier than replacement.
>
>

6331. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-01 17:05:24 UTC
From: brian
Topic: 6303 Message: 6331

The temporary fix is to craft a small polyethylene wedge from a piece of coax. Jam it between the pins and the existing insulation.

73 de Brian/K3KO

On 2/1/2015 15:59 PM, Dave RocketNJ@... [acom-list] wrote:
>
>
> Mine is the output which caused arc fault errors.
>
> I've ordered Amphenol chassis SO239 connectors.
>
> Dave
> wo2x
>
>
> Sent from my tin can & waxed string!
>
> On Feb 1, 2015, at 9:59 AM, Hans Remeeus hans@...
> <mailto:hans@...> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
>>
>> All,
>>
>> Just for my information: Is it the Input SO-239 connector (from the
>> transmitter), or the Output connector (to the antenna) which gets
>> loose? Or both?
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>> Tnx and 73, Hans.
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>> Vriendelijke groeten,
>> Hans Remeeus (PA1HR/OE3JRC)
>> http://www.remeeus.eu
>> http://www.hansremeeus.nl
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>> dxbuster dxbuster@... [acom-list] schreef op 1-2-2015 om 15:45:
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>>> the remains with a sharp screwdriver. Much easier than replacement.
>>

>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5646 / Virus Database: 4273/9037 - Release Date: 02/01/15
>

6332. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-02 00:51:26 UTC
From: Trevor Dunne
Topic: 6315 Message: 6332

Have you left Array Solutions Bob or have they dropped the Acom range ???

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

From: W5OV@... [acom-list] ;
To: <acom-list@yahoogroups.com>;
Subject: Re: [acom-list] EBS or Not?
Sent: Sun, Feb 1, 2015 1:34:21 PM

Rich,
What you've been told here is all correct but one thing you need to know
is that it voids your warranty.

Acom has provided the details on how to do it properly, but they do not
recommend it or do they consider it necessary. There's always a trade-off
of how to SWITCH (the S stands for switching) the bias levels throughout
the operating range of the amplifier. If you're into ";hi-fi" transmit
audio, you may want to do this, but if not, your 2000A's are all fine as
from the factory.

I bet you haven't had any reports of a problem with your transmit audio?

While they're under warranty, you may want to leave them in stock condition.

73,

Bob W5OV
(No longer affiliated with Acom)

On Sat, January 31, 2015 9:57 am, Rich Hallman - N7TR rich@...
[acom-list] wrote:
> I have read several forums regarding the disabling of the EBS circuit in
> the ACOM 2000a. Wanted to know what the consensus of the group is if
> this helps to disable EBS or not?
>
>; Thanks...
> Rich
>
>
> Rich N7TR
> ex KI3V, N3AMK, WB3JOV www.n7tr.com
> http://www.qrz.com/db/N7TR
> Telnet: dxc.n7tr.com N7TR DXCluster

>
>
>

6333. RE:EI2GLB

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-02 01:49:48 UTC
From: Joel
Topic: 6315 Message: 6333

Why didn't you ask him "OFF LINE"??

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 2 Feb 2015 00:51:26 +0000
Subject: Re: ICOM

Have you left Array Solutions Bob or have they dropped the Acom range ???

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

From:

W5OV@... [acom-list] <acom-list@yahoogroups.com>;

To:

<acom-list@yahoogroups.com>;

Subject:

Re: [acom-list] EBS or Not?

Sent:

Sun, Feb 1, 2015 1:34:21 PM

Rich,
What you've been told here is all correct but one thing you need to know
is that it voids your warranty.

Acom has provided the details on how to do it properly, but they do not
recommend it or do they consider it necessary. There's always a trade-off
of how to SWITCH (the S stands for switching) the bias levels throughout
the operating range of the amplifier. If you're into "hi-fi" transmit
audio, you may want to do this, but if not, your 2000A's are all fine as
from the factory.

I bet you haven't had any reports of a problem with your transmit audio?

While they're under warranty, you may want to leave them in stock condition.

73,

Bob W5OV
(No longer affiliated with Acom)

On Sat, January 31, 2015 9:57 am, Rich Hallman - N7TR rich@n7tr.com
[acom-list] wrote:
> I have read several forums regarding the disabling of the EBS circuit in
> the ACOM 2000a. Wanted to know what the consensus of the group is if
> this helps to disable EBS or not?
>
> Thanks...
> Rich
>
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> Rich N7TR
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> http://www.qrz.com/db/N7TR
> Telnet: dxc.n7tr.com N7TR DXCluster
>
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>

6334. Re: [acom-list] EBS or Not?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-02 14:16:21 UTC
From: W5OV@...
Topic: 6315 Message: 6334

Array Solutions is still selling Acom.

On Sun, February 1, 2015 6:51 pm, Trevor Dunne trevor_dunne@...
[acom-list] wrote:
>

>
> Have you left Array Solutions Bob or have they dropped the Acom range ???
>
>
>
> Thanks
> Trevor
> EI2GLB
>
>
> Sent from Yahoo Mail for iPhone
>
>
>
> From:
> W5OV@... [acom-list] ;
> To:

;
> Subject:

Re:
> [acom-list] EBS or Not?
> Sent:

Sun, Feb
> 1, 2015 1:34:21 PM
>
>
>
>
> Rich,
What you've been told here is all correct but one thing you
> need to know
is that it voids your warranty.

Acom has provided the
> details on how to do it properly, but they do not
recommend it or do
> they consider it necessary. There's always a trade-off

of how to
> SWITCH (the S stands for switching) the bias levels throughout
the
> operating range of the amplifier. If you're into "hi-fi"
> transmit
audio, you may want to do this, but if not, your 2000A's
> are all fine as
from the factory.

I bet you haven't had any
> reports of a problem with your transmit audio?

While they're under
> warranty, you may want to leave them in stock condition.

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Bob
> W5OV
(No longer affiliated with Acom)

On Sat, January 31, 2015 9:57
> am, Rich Hallman - N7TR rich@...
[acom-list] wrote:
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> several forums regarding the disabling of the EBS circuit in
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> helps to disable EBS or not?
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6335. Acom 2000A - Fuse holder

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-02 17:17:28 UTC
From: terryburbidge@...
Topic: 6335 Message: 6335

Does anyone please have a RS/Mouser/Farnell part # for the fuse holders?

Cheers,
Terry/G4MKP

6336. RE: [acom-list] RE:EI2GLB

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-02 22:33:15 UTC
From: Trevor Dunne
Topic: 6315 Message: 6336

Sorry that option isn't available on the iPhone App, sorry Bob and all,

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

From: Joel k2qbv@... [acom-list] ;
To: acom-list@yahoogroups.com ;
Subject: [acom-list] RE:EI2GLB
Sent: Mon, Feb 2, 2015 1:49:48 AM

Why didn't you ask him "OFF LINE"??

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 2 Feb 2015 00:51:26 +0000
Subject: Re: ICOM

Have you left Array Solutions Bob or have they dropped the Acom range ???

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

From: W5OV@w5ov.com [acom-list] ;
To: ;
Subject: Re: [acom-list] EBS or Not?
Sent: Sun, Feb 1, 2015 1:34:21 PM

Rich,
What you've been told here is all correct but one thing you need to know
is that it voids your warranty.

Acom has provided the details on how to do it properly, but they do not
recommend it or do they consider it necessary. There's always a trade-off
of how to SWITCH (the S stands for switching) the bias levels throughout
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> Thanks...
> Rich
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> Rich N7TR
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> Telnet: dxc.n7tr.com N7TR DXCluster
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6337. Re: [acom-list] Changing SO-239 connector on back of 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-03 06:41:53 UTC
From: <aivers30868@...>
Topic: 6303 Message: 6337

Really a weak part of the AMP in General! ?I have taken care of the issue.

Joe, w6vnr

-----Original Message-----
From: "Dave RocketNJ@... [acom-list]"
Sent: Feb 1, 2015 7:59 AM
To: "acom-list@yahoogroups.com"
Subject: Re: [acom-list] Changing SO-239 connector on back of 2000A

Mine is the output which caused arc fault errors.

I've ordered Amphenol chassis SO239 connectors.

Dave
wo2x

Sent from my tin can & waxed string!

> On Feb 1, 2015, at 9:59 AM, Hans Remeeus hans@... [acom-list] wrote:
>
>
> All,
>
> Just for my information: Is it the Input SO-239 connector (from the transmitter), or the Output connector (to the antenna) which gets loose? Or both?
>
> Tnx and 73, Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
> dxbuster dxbuster@... [acom-list] schreef op 1-2-2015 om 15:45:
>>
>> SO-239 gets loose not because of the spring contact, but because of the PTFE insulator.
>> A simple surgery may restore the central jack tightness. Just remove about 3/16" deep of the white plastic. Use a hand drill and clean the remains with a sharp screwdriver. Much easier than replacement.
>
>

6338. RE: [acom-list] RE:EI2GLB

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-03 10:19:06 UTC
From: Kees - pa7two
Topic: 6315 Message: 6338

iPhone... Yeah, case closed... (Wanna be a pear) (Already eaten fruit (((Look at the logo!))).

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 2 Feb 2015 22:33:15 +0000
Subject: RE: [acom-list] RE:EI2GLB

Sorry that option isn't available on the iPhone App, sorry Bob and all,

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

From:

Joel k2qbv@hotmail.com [acom-list] <acom-list@yahoogroups.com>;

To:

acom-list@yahoogroups.com <acom-list@yahoogroups.com>;

Subject:

[acom-list] RE:EI2GLB

Sent:

Mon, Feb 2, 2015 1:49:48 AM

Why didn't you ask him "OFF LINE"?? To: acom-list@yahoogroups.comFrom: acom-list@yahoogroups.comDate: Mon, 2 Feb 2015 00:51:26 +0000Subject: Re: ICOM

Have you left Array Solutions Bob or have they dropped the Acom range ???ThanksTrevorEI2GLBSent from Yahoo Mail for iPhone

From:

W5OV@... [acom-list] <acom-list@yahoogroups.com>;

To:

<acom-list@yahoogroups.com>;

Subject:

Re: [acom-list] EBS or Not?

Sent:

Sun, Feb 1, 2015 1:34:21 PM

Rich,
What you've been told here is all correct but one thing you need to know
is that it voids your warranty.

Acom has provided the details on how to do it properly, but they do not
recommend it or do they consider it necessary. There's always a trade-off
of how to SWITCH (the S stands for switching) the bias levels throughout
the operating range of the amplifier. If you're into "hi-fi" transmit
audio, you may want to do this, but if not, your 2000A's are all fine as
from the factory.

I bet you haven't had any reports of a problem with your transmit audio?

While they're under warranty, you may want to leave them in stock condition.

73,

Bob W5OV
(No longer affiliated with Acom)

On Sat, January 31, 2015 9:57 am, Rich Hallman - N7TR rich@...
[acom-list] wrote:
> I have read several forums regarding the disabling of the EBS circuit in
> the ACOM 2000a. Wanted to know what the consensus of the group is if
> this helps to disable EBS or not?
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> Thanks...
> Rich
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> Rich N7TR
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> http://www.qrz.com/db/N7TR
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>

6339. RE: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-03 17:20:30 UTC
From: Joel
Topic: 6315 Message: 6339

Dear Mr. Kees, (PA7TWO)

I have listened to your garbage for years including your resale, resale, resale so-so GU74 tubes. This is an ACOM site, not a bar or CB band. Be a "stand-up-guy" (look that up).
Joel. K2QBV

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 3 Feb 2015 10:19:06 +0000
Subject: RE: [acom-list] RE:EI2GLB

iPhone... Yeah, case closed... (Wanna be a pear) (Already eaten fruit (((Look at the logo!))).

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 2 Feb 2015 22:33:15 +0000
Subject: RE: [acom-list] RE:EI2GLB

Sorry that option isn't available on the iPhone App, sorry Bob and all,

Thanks
Trevor
EI2GLB

Sent from Yahoo Mail for iPhone

From:

Joel k2qbv@... [acom-list] <acom-list@yahoogroups.com>;

To:

acom-list@yahoogroups.com <acom-list@yahoogroups.com>;

Subject:

[acom-list] RE:EI2GLB

Sent:

Mon, Feb 2, 2015 1:49:48 AM

Why didn't you ask him "OFF LINE"?? To: acom-list@yahoogroups.comFrom: acom-list@yahoogroups.comDate: Mon, 2 Feb 2015 00:51:26 +0000Subject: Re: ICOM

Have you left Array Solutions Bob or have they dropped the Acom range ???ThanksTrevorEI2GLBSent from Yahoo Mail for iPhone

From:

W5OV@... [acom-list] <acom-list@yahoogroups.com>;

To:

<acom-list@yahoogroups.com>;

Subject:

Re: [acom-list] EBS or Not?

Sent:

Sun, Feb 1, 2015 1:34:21 PM

Rich,
What you've been told here is all correct but one thing you need to know is that it voids your warranty.

Acom has provided the details on how to do it properly, but they do not recommend it or do they consider it necessary. There's always a trade-off of how to SWITCH (the S stands for switching) the bias levels throughout the operating range of the amplifier. If you're into "hi-fi" transmit audio, you may want to do this, but if not, your 2000A's are all fine as from the factory.

I bet you haven't had any reports of a problem with your transmit audio?

While they're under warranty, you may want to leave them in stock condition.

73,

Bob W5OV
(No longer affiliated with Acom)

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> I have read several forums regarding the disabling of the EBS circuit in
> the ACOM 2000a. Wanted to know what the consensus of the group is if
> this helps to disable EBS or not?
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> Thanks...
> Rich
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> Rich N7TR
> ex KI3V, N3AMK, WB3JOV www.n7tr.com<http://www.n7tr.com>
> http://www.qrz.com/db/N7TR

> Telnet: dxc.n7tr.com N7TR DXCluster
>
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>

6340. Re: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-03 17:24:20 UTC
From: Hans Remeeus
Topic: 6315 Message: 6340
Attachments: 1 described; binary payloads are missing from this source WARC

```
Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Joel k2qbv@... [acom-list] schreef op 3-2-2015 om 18:20:
>
>
> **
> *Dear Mr. Kees, (PA7TWO)*
> **
> *I have listened to your garbage for years including your resale,
> resale, resale so-so GU74 tubes. This is an ACOM site, not a bar or CB
> band. Be a "stand-up-guy" (look that up). *
> *Joel. K2QBV*
>
> ------------------------------------------------------------------------
>
```

6341. RE: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-03 20:43:25 UTC
From: Joel
Topic: 6341 Message: 6341

I'm following up on an e mail I received yesterday. It was suggested that I put a posting on the ACOM site that I have purchased the Acom 600S (solid state unit) two weeks ago and see if anyone would like an opinion or has a question. Joel, K2QBV (K2QBV@...

Date: Tue, 3 Feb 2015 20:14:30 +0000
From: paimg0uut@...
Subject: Re: [acom-list] KEE'S comments
To: k2qbv@...

hello Joel nice to hear from you i hope you and wife doing well , we had some snow but not bad at all , yes we can try doing it i am going out soon but may be tomorrow good to hear you on the Acom list speak later vy 73 elan g0uut
From: Joel <k2qbv@...>
To: E.P <paimg0uut@...>
Sent: Tuesday, 3 February 2015, 18:25
Subject: RE: [acom-list] KEE'S comments

Hello Elan,

Hear you now and then but also get sick hearing people saying your name incorrectly. Are they really talking to my friend in the UK??

All is fine and perhaps we can chat on 20, I'm home a few days this week. Joel, K2QBV
Date: Tue, 3 Feb 2015 18:20:12 +0000
From: paimg0uut@...
Subject: Re: [acom-list] KEE'S comments
To: k2qbv@...

hello Joel
LOL good one my friend how you doing ?73 elan g0uut
From: "Hans Remeeus hans@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Tuesday, 3 February 2015, 17:24
Subject: Re: [acom-list] KEE'S comments

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Joel k2qbv@... [acom-list] schreef op 3-2-2015 om 18:20:

Dear Mr. Kees, (PA7TWO)

I have listened to your garbage for years including your
resale, resale, resale so-so GU74 tubes. This is an ACOM site,

not a bar or CB band. Be a "stand-up-guy" (look that up).

Joel. K2QBV

[Non-text portions of this message have been removed]

6342. RE: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 09:22:49 UTC
From: Kees - pa7two
Topic: 6315 Message: 6342

Hi Joel,

Many amongst us think (totally) different :-)

This is not about GU74B tubes. Instead, there were questions asked about the Acom 2000A BIAS mods and if these are acknowledged by Acom. The answer is NO. Warranty voids when mod is applied. Period.

Have a nice day Sir,

@Hans: Indeed!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 3 Feb 2015 18:24:20 +0100
Subject: Re: [acom-list] KEE'S comments

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Joel k2qbv@... [acom-list] schreef op 3-2-2015 om 18:20:

Dear Mr. Kees, (PA7TWO)

I have listened to your garbage for years including your
resale, resale, resale so-so GU74 tubes. This is an ACOM site,
not a bar or CB band. Be a "stand-up-guy" (look that up).

Joel. K2QBV

[Non-text portions of this message have been removed]

6343. Re: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 11:06:45 UTC
From: Steve GW4BKG
Topic: 6341 Message: 6343

I bought mine November 2014 serial no.140111 from Vine Antennas in the UK.
This is the first mention I have seen of anyone else owning one apart from
the one reviewed by ON4VP last July.
No issues at all to mention concerning its operation.
Steve
GW4BKG

----- Original Message -----
From: "Joel k2qbv@... [acom-list]" <acom-list@yahoogroups.com>
To: <acom-list@yahoogroups.com>
Sent: Tuesday, February 03, 2015 8:43 PM
Subject: RE: [acom-list] Acom 600S solid state amplifier

> I'm following up on an e mail I received yesterday. It was suggested that
> I put a posting on the ACOM site that I have purchased the Acom 600S
> (solid state unit) two weeks ago and see if anyone would like an opinion
> or has a question. Joel, K2QBV (K2QBV@...
>
>
> Date: Tue, 3 Feb 2015 20:14:30 +0000
> From: paimg0uut@...
> Subject: Re: [acom-list] KEE'S comments
> To: k2qbv@...
>
> hello Joel nice to hear from you i hope you and wife doing well , we had
> some snow but not bad at all , yes we can try doing it i am going out soon
> but may be tomorrow good to hear you on the Acom list speak later vy 73
> elan g0uut
> From: Joel <k2qbv@...>
> To: E.P <paimg0uut@...>
> Sent: Tuesday, 3 February 2015, 18:25
> Subject: RE: [acom-list] KEE'S comments
>
>
>
>
>
> Hello Elan,
>
> Hear you now and then but also get sick hearing people saying your name
> incorrectly. Are they really talking to my friend in the UK??
>
> All is fine and perhaps we can chat on 20, I'm home a few days this week.
> Joel, K2QBV
> Date: Tue, 3 Feb 2015 18:20:12 +0000
> From: paimg0uut@...

> Subject: Re: [acom-list] KEE'S comments
> To: k2qbv@...
>
> hello Joel
> LOL good one my friend how you doing ?73 elan g0uut
> From: "Hans Remeeus hans@... [acom-list]"
> <acom-list@yahoogroups.com>
> To: acom-list@yahoogroups.com
> Sent: Tuesday, 3 February 2015, 17:24
> Subject: Re: [acom-list] KEE'S comments
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> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu

> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Joel k2qbv@... [acom-list] schreef op 3-2-2015 om 18:20:
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>
> Dear Mr. Kees, (PA7TWO)
>
>
>
> I have listened to your garbage for years including your
> resale, resale, resale so-so GU74 tubes. This is an ACOM site,
> not a bar or CB band. Be a "stand-up-guy" (look that up).
>
> Joel. K2QBV
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6344. RE: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 17:29:58 UTC
From: Kees - pa7two
Topic: 6315 Message: 6344

Hans,

Zolang jij onzin / incomplete verhalen / eigen meningen die niet kloppen blijft verspreiden, ben ik geneigd te blijven reageren om dingen in het juiste perspectief te zetten. Dat schijn jij maar niet door te hebben! Wees maar voorbereid zal ik zo zeggen.

Veel plezier in onze mooie hobbie toegewenst,

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 4 Feb 2015 10:30:00 +0100
From: hans@...
To: pa7two@...
Subject: Fwd: RE: [acom-list] KEE'S comments

Kees,

Je begrijpt er helemaal niets van en slaat de plank keer op keer mis.

Dit heb ik al vele jaren in de gaten en blijkbaar ben ik niet de enige...

Sterkte!!

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

-------- Doorgestuurd bericht --------

Onderwerp:

RE: [acom-list] KEE'S comments

Datum:
Wed, 4 Feb 2015 09:22:49 +0000

Van:
Kees - pa7two pa7two@... [acom-list]
<acom-list@yahoogroups.com>

Antwoord-naar:

acom-list@yahoogroups.com

Aan:
ACOM Reflector site <acom-list@yahoogroups.com>

Hi Joel,

Many amongst us think (totally) different :-)

This is not about GU74B tubes. Instead, there were questions asked about the Acom 2000A BIAS mods and if these are acknowledged by Acom. The answer is NO. Warranty voids when mod is applied. Period.

Have a nice day Sir,

@Hans: Indeed!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 3 Feb 2015 18:24:20 +0100
Subject: Re: [acom-list] KEE'S comments

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Joel k2qbv@... [acom-list] schreef op 3-2-2015 om 18:20:

Dear Mr. Kees, (PA7TWO)

I have listened to your garbage for years including your
resale, resale, resale so-so GU74 tubes. This is an ACOM site,
not a bar or CB band. Be a "stand-up-guy" (look that up).

Joel. K2QBV

[Non-text portions of this message have been removed]

Yahoo Groups Links

6345. Re: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 20:08:03 UTC
From: joe_word@...
Topic: 6341 Message: 6345

Steve,

How is the fan noise on the 600S? I own a Acom 1010 and have owned the Acom 1000 and the fan is very quite in both. Have you had or heard the 1000 or 1010? If so, how do they compare to the 600S?

Thanks,

Joe N9VX

6346. Re: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 20:14:51 UTC
From: K3BF@...
Topic: 6341 Message: 6346

Joe:

I have one. The amp is SILENT...and awesome.

Bruce Felder, K3BF

In a message dated 2/4/2015 2:08:07 P.M. Central Standard Time,
acom-list@yahoogroups.com writes:

Steve,

How is the fan noise on the 600S? I own a Acom 1010 and have owned the
Acom 1000 and the fan is very quite in both. Have you had or heard the 1000 or
1010? If so, how do they compare to the 600S?

Thanks,

Joe N9VX

6347. RE: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 20:55:11 UTC
From: Joel
Topic: 6341 Message: 6347

Had my 600S for three weeks and FINALLY heard the fan. The fan/blower was so quiet that I had to check where that very little noise was coming from. Years ago, I had a Henry 2K4 and the room filled with noise and my wife did not want to come in at all. I guess the noise was a good thing. Joel, K2QBV

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 4 Feb 2015 12:08:03 -0800
Subject: Re: [acom-list] Acom 600S solid state amplifier

Steve,

How is the fan noise on the 600S? I own a Acom 1010 and have owned the Acom 1000 and the fan is very quite in both. Have you had or heard the 1000 or 1010? If so, how do they compare to the 600S?

Thanks,

Joe N9VX

6348. RE: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 21:05:13 UTC
From: Kees - pa7two
Topic: 6315 Message: 6348

Hans,

Ik streef transparantie na Hans, iets wat jij niet kan zeggen. Uiteraard gaat ook deze email weer naar de reflector, alleen al om te laten lezen hoe jij handelt en wandelt op diverse forums. HAMs die geintreseerd zijn vertalen dit stukje text wel in google.

Ik heb jouw helemaal nergens mee "bedreigd". Je verzint ze echt ter plekke Hans (over ziek zijn gesproken) en ik kan uiteraard niets anders doen dan te reageren.

Tis heel erg simpel Hansiepansie, jij kraamt geen onzin uit, dan zal je mij niet horen. Echter, zodra je weer in de fout gaat, zie bovenstaand.

Veel plezier in de hobbie Hans en hopelijk niet tot de volgende keer. Maarja, jou kennende...

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 4 Feb 2015 21:12:22 +0100
From: hans@...
To: pa7two@...m
Subject: Re: [acom-list] KEE'S comments

Kees,

Dit bedoelen Joel K2BQV en ik nu. Ik stuur jou een privé bericht en jij beantwoordt mij via de gehele Acom groep... Waarom doe je zoiets, Kees? Joel schreef jou toch dat deze Acom groep geen bar of CB is.

Wat is er mis met jou? Toen ik jouw bericht aan Gert PA0TCD las, dacht ik echt: er is iets zeer ernstig mis met Kees. Anders kun je zulke dingen toch niet schrijven?

En voor jouw dreigementen ben ik niet bang Kees. Je bent al jaren een ruziezoeker; dat hoor ik van iedereen. Jammer Kees, dat je zo bent.

Nogmaals sterkte!

Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl

Communication is about people, the rest is technology.

Kees - pa7two schreef op 4-2-2015 om 18:29:

Hans,

Zolang jij onzin / incomplete verhalen / eigen meningen die niet kloppen blijft verspreiden, ben ik geneigd te blijven reageren om dingen in het juiste perspectief te zetten. Dat schijn jij maar niet door te hebben! Wees maar voorbereid zal ik zo zeggen.

Veel plezier in onze mooie hobbie toegewenst,

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 4 Feb 2015 10:30:00 +0100

From: hans@...

To: pa7two@...

Subject: Fwd: RE: [acom-list] KEE'S comments

Kees,

Je begrijpt er helemaal niets van en slaat de plank keer op keer mis.

Dit heb ik al vele jaren in de gaten en blijkbaar ben ik niet de enige...

Sterkte!!

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

-------- Doorgestuurd bericht --------

Onderwerp:

RE: [acom-list] KEE'S comments

Datum:

Wed, 4 Feb 2015 09:22:49 +0000

Van:

Kees - pa7two pa7two@...
[acom-list] <acom-list@yahoogroups.com>

Antwoord-naar:

acom-list@yahoogroups.com

Aan:

ACOM Reflector site <acom-list@yahoogroups.com>

Hi Joel,

Many amongst us think (totally) different :-)

This is not about GU74B tubes. Instead, there were questions asked about the Acom 2000A BIAS mods and if these are acknowledged by Acom. The answer is NO. Warranty voids when mod is applied. Period.

Have a nice day Sir,

@Hans: Indeed!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 3 Feb 2015 18:24:20 +0100
Subject: Re: [acom-list] KEE'S comments

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
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Joel k2qbv@... [acom-list] schreef op 3-2-2015 om 18:20:

Dear Mr. Kees, (PA7TWO)

I have listened to your garbage for years including your
resale, resale, resale so-so GU74 tubes. This is an ACOM site,
not a bar or CB band. Be a "stand-up-guy" (look that up).

Joel. K2QBV

[Non-text portions of this message have been removed]

Yahoo Groups Links

6349. Re: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 21:48:53 UTC
From: Steve GW4BKG
Topic: 6341 Message: 6349

Hi Joe,
I have a 1000 & although the fan is quiet it is noticeable.
However the 600S is very quiet indeed & I have yet to see it move above the basic speed level.
73
Steve
GW4BKG

----- Original Message -----
From: joe_word@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Wednesday, February 04, 2015 8:08 PM
Subject: Re: [acom-list] Acom 600S solid state amplifier

Steve,

How is the fan noise on the 600S? I own a Acom 1010 and have owned the Acom 1000 and the fan is very quite in both. Have you had or heard the 1000 or 1010? If so, how do they compare to the 600S?

Thanks,

Joe N9VX

6350. Sv: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-04 23:29:21 UTC
From: ragnar otterstad
Topic: 6315 Message: 6350

I suggest you keep it in English or go directly
73 Rag la5he

Den Onsdag, 4. februar 2015 22.05 skrev "Kees - pa7two pa7two@hotmail.com [acom-list]" <acom-list@yahoogroups.com>:

  Hans,

Ik streef transparantie na Hans, iets wat jij niet kan zeggen. Uiteraard gaat ook deze email weer naar de reflector, alleen al om te laten lezen hoe jij handelt en wandelt op diverse forums. HAMs die geintreseerd zijn vertalen dit stukje text wel in google.

Ik heb jouw helemaal nergens mee "bedreigd". Je verzint ze echt ter plekke Hans (over ziek zijn gesproken) en ik kan uiteraard niets anders doen dan te reageren.

Tis heel erg simpel Hansiepansie, jij kraamt geen onzin uit, dan zal je mij niet horen. Echter, zodra je weer in de fout gaat, zie bovenstaand.

Veel plezier in de hobbie Hans en hopelijk niet tot de volgende keer. Maarja, jou kennende...

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 4 Feb 2015 21:12:22 +0100
From: hans@...
To: pa7two@...
Subject: Re: [acom-list] KEE'S comments

Kees,

Dit bedoelen Joel K2BQV en ik nu. Ik stuur jou een privé bericht en jij beantwoordt mij via de gehele Acom groep... Waarom doe je zoiets, Kees? Joel schreef jou toch dat deze Acom groep geen bar of CB is.

Wat is er mis met jou? Toen ik jouw bericht aan Gert PA0TCD las, dacht ik echt: er is iets zeer ernstig mis met Kees. Anders kun je zulke dingen toch niet schrijven?

En voor jouw dreigementen ben ik niet bang Kees. Je bent al jaren een ruziezoeker; dat hoor ik van iedereen. Jammer Kees, dat je zo bent.

Nogmaals sterkte!

Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)

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http://www.hansremeeus.nl
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Hans,

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Veel plezier in onze mooie hobbie toegewenst,

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 4 Feb 2015 10:30:00 +0100
From: hans@...
To: pa7two@hotmail.com
Subject: Fwd: RE: [acom-list] KEE'S comments

Kees,

Je begrijpt er helemaal niets van en slaat de plank keer op keer mis.

Dit heb ik al vele jaren in de gaten en blijkbaar ben ik niet de enige...

Sterkte!!

Vriendelijke groeten,
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-------- Doorgestuurd bericht --------
Onderwerp:	RE: [acom-list] KEE'S comments
Datum:	Wed, 4 Feb 2015 09:22:49 +0000
Van:	Kees - pa7two pa7two@... [acom-list] <acom-list@yahoogroups.com>
Antwoord-naar:	acom-list@yahoogroups.com
Aan:	ACOM Reflector site <acom-list@yahoogroups.com>

Hi Joel,

Many amongst us think (totally) different :-)

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@Hans: Indeed!

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To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 3 Feb 2015 18:24:20 +0100
Subject: Re: [acom-list] KEE'S comments

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http://www.hansremeeus.nl
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Joel k2qbv@hotmail.com [acom-list] schreef op 3-2-2015 om 18:20:

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not a bar or CB band. Be a "stand-up-guy" (look that up).

Joel. K2QBV

[Non-text portions of this message have been removed]

Yahoo Groups Links

6351. RE: Sv: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-05 01:27:18 UTC
From: Joel
Topic: 6315 Message: 6351

That's exactly what I sent Kee....Joel, K2QBV

To: acom-list@yahoogroups.com; hans@...
From: acom-list@yahoogroups.com
Date: Wed, 4 Feb 2015 23:29:21 +0000
Subject: Sv: [acom-list] KEE'S comments

I suggest you keep it in English or go directly
73 Rag la5he

Den Onsdag, 4. februar 2015 22.05 skrev "Kees - pa7two pa7two@... [acom-list]"
<acom-list@yahoogroups.com>:

Hans, Ik streef transparantie na Hans, iets wat jij niet kan zeggen. Uiteraard gaat ook deze email weer naar de reflector, alleen al om te laten lezen hoe jij handelt en wandelt op diverse forums. HAMs die geintreseerd zijn vertalen dit stukje text wel in google.Ik heb jouw helemaal nergens mee "bedreigd". Je verzint ze echt ter plekke Hans (over ziek zijn gesproken) en ik kan uiteraard niets anders doen dan te reageren.Tis heel erg simpel Hansiepansie, jij kraamt geen onzin uit, dan zal je mij niet horen. Echter, zodra je weer in de fout gaat, zie bovenstaand.Veel plezier in de hobbie Hans en hopelijk niet tot de volgende keer. Maarja, jou kennende...Vy 73, de Kees - PA7TWO - M5TWODX IS and CW RULES!Twitter: @PA7TWODate: Wed, 4 Feb 2015 21:12:22 +0100From: hans@...: pa7two@...: Re: [acom-list] KEE'S comments

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en jij beantwoordt mij via de gehele Acom groep... Waarom doe je
zoiets, Kees? Joel schreef jou toch dat deze Acom groep geen bar
of CB is.

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Nogmaals sterkte!

Hans.

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http://www.hansremeeus.nl
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Kees - pa7two schreef op 4-2-2015 om 18:29:

Hans,

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Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

Date: Wed, 4 Feb 2015 10:30:00 +0100
From: hans@remeeus.eu
To: pa7two@...
Subject: Fwd: RE: [acom-list] KEE'S comments

Kees,

Je begrijpt er helemaal niets van en slaat de plank keer op keer mis.

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Sterkte!!

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
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Communication is about people, the rest is technology.

-------- Doorgestuurd bericht --------
Onderwerp:

RE: [acom-list] KEE'S commentsDatum:
Wed, 4 Feb 2015 09:22:49 +0000Van:
Kees - pa7two pa7two@...m
[acom-list] <acom-list@yahoogroups.com>Antwoord-naar:

acom-list@yahoogroups.comAan:
ACOM Reflector site <acom-list@yahoogroups.com>

Hi Joel,

Many amongst us think (totally) different :-)

This is not about GU74B tubes. Instead, there were questions asked about the Acom 2000A BIAS mods and if these are acknowledged by Acom. The answer is NO. Warranty voids when mod is applied. Period.

Have a nice day Sir,

@Hans: Indeed!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 3 Feb 2015 18:24:20 +0100
Subject: Re: [acom-list] KEE'S comments

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

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I have listened to your garbage for years including your
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not a bar or CB band. Be a "stand-up-guy" (look that up).

Joel. K2QBV

[Non-text portions of this message have been removed]

Yahoo Groups Links

6352. Re: Sv: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-05 06:12:55 UTC
From: Hans Remeeus
Topic: 6315 Message: 6352

Hello Rag,

I did sent my e-mails directy to Kees, but he sends me his replies
through the Acom group...

Is there someone who owns/moderates this group? I want to send an abuse,
about Kees his behaviour.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

ragnar otterstad schreef op 5-2-2015 om 00:29:
> I suggest you keep it in English or go directly
>
> 73 Rag la5he
>
>
>

6353. RE: Sv: [acom-list] KEE'S comments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-05 10:13:09 UTC
From: Kees - pa7two
Topic: 6315 Message: 6353

Hi Rag,

Sure we can switch back to English, that is not a problem Sir.

The only reason why these emails were CC-ed to this group: The fact that Hans imposes his very strong own opinions on the reflectors (this reflector is not the only one unfortunately) and next when others provide some additional information, these persons gets flamed and furthermore will receive more flaming emails to their private addresses. To show you guys what this HAM is really about and how he treats other HAMs, you are able to read these kinda emails and were informed this way.

With regards to the request towards Moderators: Taking the above in consideration, it becomes very clear that the person that should be expelled from this group would definitely not apply to me.

My sincere apologies if these posts were undesirable, but I simply had to respond to Hans' posts to show you guys what he is all about.

Back to chasing DX!

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: la5he@...; acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 5 Feb 2015 07:12:55 +0100
Subject: Re: Sv: [acom-list] KEE'S comments

Hello Rag,

I did sent my e-mails directy to Kees, but he sends me his
replies through the Acom group...

Is there someone who owns/moderates this group? I want to send
an abuse, about Kees his behaviour.

73, Hans.

Vriendelijke groeten,
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http://www.hansremeeus.nl
Communication is about people, the rest is technology.

ragnar otterstad schreef op 5-2-2015 om 00:29:

I suggest you keep it
in English or go directly

73
Rag la5he

6354. Acom 1000 failure...

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-07 17:23:58 UTC
From: Fernando González, EC1CT
Topic: 6354 Message: 6354

Good day everyone,
A friend of mine EA1DR is owing an Acom 1000 amplifier that has been working out flawsely for a decade. Last week, he turned on
the amplifier and it didnt switch to tx. All the parameters on the screen seem to be correct so we went straight to change the tx relay as we were pretty sure that was the problem (it didnt switch at all). As the problem persisted after changing the relay we replaced the tube and watched everything else (bad capacitor, damaged components...). Now, someone mentioned it could be a deffective control unit. I´ve never heard about a failure like that on an Acom 1000 at least on this forum (as I recall). Any other clue where to start to look for would be greatly appreciated. I´gonna try to forward this message to Stan at Acom BG as well. Thanks and best 73 to all.
Fernando EC1CT // KD0IGJ

6355. RE: [acom-list] Acom 1000 failure...

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-07 19:43:31 UTC
From: Kees - pa7two
Topic: 6354 Message: 6355

Hi Fernando,

Are there any error codes displayed?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 7 Feb 2015 18:23:58 +0100
Subject: [acom-list] Acom 1000 failure...

Good day everyone,
A friend of mine EA1DR is owing an Acom 1000 amplifier that has been
working out flawsely for a decade. Last week, he turned on
the amplifier and it didnt switch to tx. All the parameters on the screen
seem to be correct so we went straight to change the tx relay as we were pretty
sure that was the problem (it didnt switch at all). As the problem persisted
after changing the relay we replaced the tube and watched everything else (bad
capacitor, damaged components...). Now, someone mentioned it could be a
deffective control unit. I´ve never heard about a failure like that on an Acom
1000 at least on this forum (as I recall). Any other clue where to start
to look for would be greatly appreciated. I´gonna try to forward this message to
Stan at Acom BG as well. Thanks and best 73 to all.
Fernando EC1CT // KD0IGJ

6356. Re: [acom-list] Acom 1000 failure...

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-07 20:00:49 UTC
From: Fernando González, EC1CT
Topic: 6354 Message: 6356

Hi Kees,
NO. The amps turns on perfectly but doesn´t switch to transmission. Appart of that, the owner states that it has SWR ratherly high now on the circuit...in case this might help.
Thanks for your fast input, Kees...always a pleasure. 73
Fernando EC1CT / KD0IGJ
BTW: My friend is much desperate trying to work K1N with 100 watts...haha

From: mailto:acom-list@yahoogroups.com
Sent: Saturday, February 7, 2015 8:43 PM
To: ACOM Reflector site
Subject: RE: [acom-list] Acom 1000 failure...

Hi Fernando,

Are there any error codes displayed?

Vy 73, de Kees - PA7TWO - M5TWO

DX IS and CW RULES!Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 7 Feb 2015 18:23:58 +0100
Subject: [acom-list] Acom 1000 failure...

Good day everyone,
A friend of mine EA1DR is owing an Acom 1000 amplifier that has been working out flawsely for a decade. Last week, he turned on
the amplifier and it didnt switch to tx. All the parameters on the screen seem to be correct so we went straight to change the tx relay as we were pretty sure that was the problem (it didnt switch at all). As the problem persisted after changing the relay we replaced the tube and watched everything else (bad capacitor, damaged components...). Now, someone mentioned it could be a deffective control unit. I´ve never heard about a failure like that on an Acom 1000 at least on this forum (as I recall). Any other clue where to start to look for would be greatly appreciated. I´gonna try to forward this message to Stan at Acom BG as well. Thanks and best 73 to all.
Fernando EC1CT // KD0IGJ

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2015.0.5646 / Base de datos de virus: 4281/9072 - Fecha de publicación: 02/07/15

6357. RE: [acom-list] Acom 1000 failure...

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-07 21:17:21 UTC
From: Kees - pa7two
Topic: 6354 Message: 6357

Hi Fernando,

That was actually my next question, is the SWR high on the input?

Few more he can try:

1) Is de Acom SO femail connector its middle pin not loose?
2) Change coax cable between TRX and amp.
3) TRX is not TXing on wrong RF output?
4) Change TRX
5) Examine the inside of the Acom amp, start at incoming RF coax
6) Wish him good luck on the K1N :-)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 7 Feb 2015 21:00:49 +0100
Subject: Re: [acom-list] Acom 1000 failure...

Hi Kees,
NO. The amps turns on perfectly but doesn´t switch to transmission. Appart
of that, the owner states that it has SWR ratherly high now on the circuit...in
case this might help. Thanks for your fast input, Kees...always a pleasure.
73
Fernando EC1CT / KD0IGJ
BTW: My friend is much desperate trying to work K1N with 100
watts...haha

From: mailto:acom-list@yahoogroups.com

Sent: Saturday, February 7, 2015 8:43 PM
To: ACOM Reflector site
Subject: RE: [acom-list] Acom 1000 failure...

Hi Fernando,

Are there any error codes
displayed?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 7
Feb 2015 18:23:58 +0100
Subject: [acom-list] Acom 1000
failure...

Good day everyone,
A friend of mine EA1DR is owing an Acom 1000 amplifier that has been
working out flawsely for a decade. Last week, he turned on
the amplifier and it didnt switch to tx. All the parameters on the screen
seem to be correct so we went straight to change the tx relay as we were pretty
sure that was the problem (it didnt switch at all). As the problem persisted
after changing the relay we replaced the tube and watched everything else (bad
capacitor, damaged components...). Now, someone mentioned it could be a
deffective control unit. I´ve never heard about a failure like that on an Acom
1000 at least on this forum (as I recall). Any other clue where to start
to look for would be greatly appreciated. I´gonna try to forward this message to
Stan at Acom BG as well. Thanks and best 73 to all.
Fernando EC1CT // KD0IGJ

No se encontraron virus en este
mensaje.
Comprobado por AVG - www.avg.com
Versión: 2015.0.5646 / Base de
datos de virus: 4281/9072 - Fecha de publicación: 02/07/15

6358. Re: Acom 1000 failure...

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-08 14:45:38 UTC
From: Eric Fowler
Topic: 6354 Message: 6358

Did you try shorting the key line? Sometimes it's the simple things.

Eric / WV3E

6359. Acom 2000A G2 Control fault on band change.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-09 15:26:34 UTC
From: Dave
Topic: 6335 Message: 6359

Hi all

Started having an issue with Acom 2000 having G2 Control fault on band change. This is very intermittent.

About two weeks ago I installed a spare set of tubes I just received from Vine Antennas. I set the bias after install to 370 mA. This is 2009 vintage amp.

Other thing is I use DDUtil to have the amp band change following SmartSDR for Flex. I didn't notice this issue until I started using the latest beta of DDUtil.

Could there be a serial command being sent that could cause this issue?

Thanks
Dave wo2x

Sent from my tin can & waxed string!

> On Feb 2, 2015, at 12:17 PM, terryburbidge@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Does anyone please have a RS/Mouser/Farnell part # for the fuse holders?
>
>
>
> Cheers,
>
> Terry/G4MKP
>
>

6360. Re: [acom-list] Acom 2000A G2 Control fault on band change.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-09 15:30:20 UTC
From: brian
Topic: 6335 Message: 6360

Where did the amp end up (band, segment?) when fault occurred. You
might have to restart the amp (with no software control) to tell.

Does going back to non-beta cure?

73 de Brian/K3KO
On 2/9/2015 15:26 PM, Dave RocketNJ@... [acom-list] wrote:
>
>
> Hi all
>
> Started having an issue with Acom 2000 having G2 Control fault on band
> change. This is very intermittent.
>
> About two weeks ago I installed a spare set of tubes I just received
> from Vine Antennas. I set the bias after install to 370 mA. This is
> 2009 vintage amp.
>
> Other thing is I use DDUtil to have the amp band change following
> SmartSDR for Flex. I didn't notice this issue until I started using
> the latest beta of DDUtil.
>
> Could there be a serial command being sent that could cause this issue?
>
> Thanks
> Dave wo2x
>
>
> Sent from my tin can & waxed string!
>
> On Feb 2, 2015, at 12:17 PM, terryburbidge@...
> <mailto:terryburbidge@...> [acom-list]
> <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>> wrote:
>
>> Does anyone please have a RS/Mouser/Farnell part # for the fuse holders?
>>
>>
>> Cheers,
>>
>> Terry/G4MKP
>>
>
>
>
>

> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5646 / Virus Database: 4281/9082 - Release Date: 02/09/15
>

6361. Re: [acom-list] Acom 2000A G2 Control fault on band change.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-09 15:40:37 UTC
From: Dave
Topic: 6335 Message: 6361

I will rest later and see if there is a pattern to the fault (from a specific band or to a specific band).

I have not had it fail with DDUtil 03.09.03 or older.

I have located another DDUtil beta tester with a 2000A and he is going to try and replicate the fault tonight.

Wondering exactly what the G2 Control fault is.

Dave
wo2x

Sent from my tin can & waxed string!

> On Feb 9, 2015, at 10:30 AM, brian alsopb@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Where did the amp end up (band, segment?) when fault occurred. You
> might have to restart the amp (with no software control) to tell.
>
> Does going back to non-beta cure?
>
> 73 de Brian/K3KO
> On 2/9/2015 15:26 PM, Dave RocketNJ@... [acom-list] wrote:
> >
> >
> > Hi all
> >
> > Started having an issue with Acom 2000 having G2 Control fault on band
> > change. This is very intermittent.
> >
> > About two weeks ago I installed a spare set of tubes I just received
> > from Vine Antennas. I set the bias after install to 370 mA. This is
> > 2009 vintage amp.
> >
> > Other thing is I use DDUtil to have the amp band change following
> > SmartSDR for Flex. I didn't notice this issue until I started using
> > the latest beta of DDUtil.
> >
> > Could there be a serial command being sent that could cause this issue?
> >
> > Thanks
> > Dave wo2x
> >
> >

> > Sent from my tin can & waxed string!
> >
> > On Feb 2, 2015, at 12:17 PM, terryburbidge@...
> > <mailto:terryburbidge@blueyonder.co.uk> [acom-list]
> > <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>> wrote:
> >
> >> Does anyone please have a RS/Mouser/Farnell part # for the fuse holders?
> >>
> >>
> >> Cheers,
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> >
>
>

6362. Re: [acom-list] Acom 2000A G2 Control fault on band change.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-09 17:17:02 UTC
From: Timo Toro
Topic: 6335 Message: 6362

Dave,

I had once G2 Control faults when the band switch was not working well. Some oil in right place helped.

I'm was using Acom and Flex with DDUtil. Whenever Flex changed frequency, I could hear that Acom is doing short tune, even if there is no need to do it. I think that is not good for my amp.

All in all, I have stopped using DDUtil control any more. My Acom 2K is more stable now. Full power, without retunings. If I need (remote)control it, I use TRX-Acom.

73, Timo OH5KW

On 9 Feb 2015, at 15:40 UTC, Dave RocketNJ@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
> I will rest later and see if there is a pattern to the fault (from a specific band or to a specific band).
>
> I have not had it fail with DDUtil 03.09.03 or older.
>
> I have located another DDUtil beta tester with a 2000A and he is going to try and replicate the fault tonight.
>
> Wondering exactly what the G2 Control fault is.
>
> Dave
> wo2x
>
> Sent from my tin can & waxed string!
>
> On Feb 9, 2015, at 10:30 AM, brian alsopb@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
>>
>> Where did the amp end up (band, segment?) when fault occurred. You
>> might have to restart the amp (with no software control) to tell.
>>
>> Does going back to non-beta cure?
>>
>> 73 de Brian/K3KO
>> On 2/9/2015 15:26 PM, Dave RocketNJ@gmail.com [acom-list] wrote:
>> >
>> >

>> > Hi all
>> >
>> > Started having an issue with Acom 2000 having G2 Control fault on band
>> > change. This is very intermittent.
>> >
>> > About two weeks ago I installed a spare set of tubes I just received
>> > from Vine Antennas. I set the bias after install to 370 mA. This is
>> > 2009 vintage amp.
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>> > Other thing is I use DDUtil to have the amp band change following
>> > SmartSDR for Flex. I didn't notice this issue until I started using
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>> > On Feb 2, 2015, at 12:17 PM, terryburbidge@blueyonder.co.uk
>> > <mailto:terryburbidge@...> [acom-list]
>> > <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>> wrote:
>> >
>> >> Does anyone please have a RS/Mouser/Farnell part # for the fuse holders?
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>> >> Cheers,
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>> > Version: 2015.0.5646 / Virus Database: 4281/9082 - Release Date: 02/09/15
>> >
>>
>
>

6363. Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-17 23:51:45 UTC
From: AB4BJ
Topic: 6363 Message: 6363

My 1010 is set up to run on 120 volts. The manual calls for 10A 240V fuses when set up for 120. I blew a fuse last night and found that my 1010 was set up with 10A 125V fuses at the time of purchase. I'm inclined to follow the manual but am not sure why something different was used when the amp was originally set up. Any thoughts?

Sent from my iPhone

6364. Re: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-18 01:28:04 UTC
From: Javier Campos
Topic: 6363 Message: 6364

I have a 1011 and when I purchased it from the distributor, the fuse "left" in the holes were the same old 6.3A @ 240V fast blow as shipped from the Acom factory even though the local distributor left the plug for 120Vac which is what I use it with.

At any rate, I "quickly" blew the 6.3A@240 V AC fuse after attempting to tune it up once I got it connected to my 120Vac mains, fresh out of the box.... I think I made it to about 400 watts and "poof" went the fuse.

I went to Fry's here in North Dallas and located the correct, 10A @240Vac fast blow rating and I have not blown a fuse since..

Running on it on 120Vac requires a higher current than it would off of 220Vac (hence the 6.3A fuse requirement)

In looking at both manuals I see it's the same rating for a 1010 as a 1011.

I've lost 3 tubes in the last14 months but only a single fuse since 2011 when I purchased it. Radio shack only carried the slow blow fuses.. That's another story....

I went with the manual and have not had any issues (as expected) from a fuse point of view.. Just make sure it is a fast blow and the correct current rating.

Javier NM6E/5

On Tuesday, February 17, 2015 5:51 PM, "AB4BJ ab4bj@... [acom-list]" <acom-list@yahoogroups.com> wrote:

My 1010 is set up to run on 120 volts. The manual calls for 10A 240V fuses when set up for 120. I blew a fuse last night and found that my 1010 was set up with 10A 125V fuses at the time of purchase. I'm inclined to follow the manual but am not sure why something different was used when the amp was originally set up. Any thoughts?

Sent from my iPhone

6365. RE: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-21 20:16:18 UTC
From: w1srd@...
Topic: 6341 Message: 6365

How about remote operation? Has Acom woken up to the fact this is important?
The 2000 is a non-starter for remote since it can get into a fault state the current software offerings cannot clear.
73,
Steve, W1SRD

6366. Re: Pair of GU74b tubes from Vine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-21 20:19:07 UTC
From: w1srd@...
Topic: 6300 Message: 6366

Is rotation really necessary? NOS tubes sit around for years and work fine if you let them getter a while before applying full drive.
Steve, W1SRD

6367. RE: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-21 20:42:22 UTC
From: Ron Castro
Topic: 6341 Message: 6367

True, but with a little ingenuity, you can fix that. I run a 2000A by remote, and I simply soldered a pair of wires across the circuit board where the Enter button is and connected it to a remote relay. I use the N8LP remote board which handles the job well enough, although there are a lot of cheaper alternatives and probably many that don’t require a remote desktop at the remote site.

Ron Castro

N6IE

<http://www.n6ie.com/> www.N6IE.com

Member:

ARRL

Redwood Empire DX Assn.

Northern California Contest Club

Northern California DX Foundation

Society of Broadcast Engineers

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: February 21, 2015 12:16 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 600S solid state amplifier

How about remote operation? Has Acom woken up to the fact this is important?
The 2000 is a non-starter for remote since it can get into a fault state the current software offerings cannot clear.
73,
Steve, W1SRD

6368. Re: [acom-list] Acom 600S solid state amplifier

Yahoo group: acom-list (2010 — 2016)
Date: 2015-02-22 02:00:13 UTC
From: Tord Julander
Topic: 6341 Message: 6368

Hi Steve,

This is what you need!
http://www.remoterig.com/wp/?page_id=1010

This is an interface with a built in webserver, no need for pc at remote site and ni remotedesktop...no hazzle.
been using it for a couple of years with the 2000 amp and works excellent.
Browse at the remoterig web and you will get a lot nice ideas how to enhance your remote operation.

73 de Tord - SM3EVR

w1srd@... [acom-list] skrev den 2015-02-21 21:16:
>
> How about remote operation? Has Acom woken up to the fact this is
> important?
> The 2000 is a non-starter for remote since it can get into a fault
> state the current software offerings cannot clear.
> 73,
> Steve, W1SRD
>
>

6369. WTB: Acom2K

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-04 19:43:17 UTC
From: lfe73@...
Topic: 6369 Message: 6369

Looking for a good condition Acom 2000a amplifier for use at my remote TX/RX site now under construction.. Please reply off line to k1uo at tds dot net with details. I have the Acom RPON unit and RC1216H control unit from Microbit so using the A2K as the remote site amp is my primary choice.
Regards

6370. Re: WTB: Acom2K

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-06 01:27:45 UTC
From: kenw817821@...
Topic: 6369 Message: 6370

I have an extra Acom 2000a. It is sitting unused for several months now.
I have two locations, one in Yuma, AZ and one in Hattiesburg, MS.
Now I use remoterig to operate the station in Mississippi from Yuma.
I only used this unit during the winter months when I was in Yuma.
It is expensive to ship due to the transformer, and its size.
I have been contemplating offering it for sale to my local DX club where a local pickup could be done.
Ken K5WK

6371. Power out issue in specific band segments 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-08 14:37:57 UTC
From: Rich Hallman - N7TR
Topic: 6371 Message: 6371

I am noticing in one of the 4 Acom 2000A's that I have that when auto-tuning the amp in the 14100-200 segment that I will get 200-300 watts more out than in the 14200-300 segment, even when I have tried a new user defined auto-tune setting. Seems like I also need to drive the amp more and noticed the amp runs hotter in the 14200-300 segment.

Anyone else seen this? Thoughts?

Rich N7TR
ex KI3V, N3AMK, WB3JOV
www.n7tr.com<http://www.n7tr.com>
http://www.qrz.com/db/N7TR
Telnet: dxc.n7tr.com N7TR DXCluster

6372. Re: Power out issue in specific band segments 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-09 16:11:42 UTC
From: Jim
Topic: 6371 Message: 6372

I also notice wide swings, especially on 10. Full output on 10 takes a third of the drive needed, for example, on 15 and I note the same 20 difference. Not a complaint, just a curiosity. Jim K8JRK...

Jim

6373. Re: Power out issue in specific band segments 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-10 15:56:18 UTC
From: Norm Alexander
Topic: 6371 Message: 6373

Jim,
Have you look at grid current, and plate current readings in these various band segments and look for correlation. Also there is a Gain value add that to the correlation list.. Your symptoms makes me think that the "tuning" is out of calibration or synch. Have you tried manually retuning/matching at the substandard band segments?

Norm W4QN

6374. Re: Power out issue in specific band segments 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-10 17:13:29 UTC
From: Jay Terleski
Topic: 6371 Message: 6374

Jim,

I am concerned about this new 2000a. Super gain could be a bias supply failure, and maybe something to do with the cathodic resistors. Hit me off list please.
Jay, WX0B

--
Jay Terleski
Array Solutions
214 954 7140

6375. Re: Power out issue in specific band segments 2000a

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-11 17:35:03 UTC
From: James Sansoterra
Topic: 6371 Message: 6375

Hi Norm---good advice...retuned to the specific segment (28.400) and now far more normal ratio of drive (58 watts) to output (1500) . Don't spend much time at that end of 10...sloppy tuning on my part. Am checking readings for bias et al per Jays request later today or tomorrow...thanks again. JIM

6376. keying circuit current draw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-12 19:56:04 UTC
From: sguenter@...
Topic: 6376 Message: 6376

For a late 2014 ACOM 1000 -

Can anyone tell me what the current draw of the keying circuit is back thru the exciter? I'm guessing it's in the 100ma range.

Skip - K5SRG

6377. Re: [acom-list] keying circuit current draw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-12 21:06:33 UTC
From: Larry Benko
Topic: 6376 Message: 6377

Then you would be wrong.:) The keying circuit is resistive with an open circuit voltage of ~+13VDC and a short circuit current of ~11mADC. Page 5 of the CONTROL PCB schematic shows this clearly.

73,
Larry, W0QE

On 3/12/2015 1:56 PM, sguenter@... [acom-list] wrote:
>
> For a late 2014 ACOM 1000 -
>
> Can anyone tell me what the current draw of the keying circuit is back
> thru the exciter? I'm guessing it's in the 100ma range.
>
> Skip - K5SRG
>
>
>

6378. Re: [acom-list] keying circuit current draw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-12 21:08:43 UTC
From: Larry Benko
Topic: 6376 Message: 6378

The schematic I have is earlier than 2014 but I don't think the keying circuit has changed based on a couple that I have tested. Why don't you just measure the open circuit voltage and the short circuit current with a multimeter

Larry

On 3/12/2015 3:06 PM, Larry Benko xxw0qe@... [acom-list] wrote:
>
> Then you would be wrong.:) The keying circuit is resistive with an
> open circuit voltage of ~+13VDC and a short circuit current of
> ~11mADC. Page 5 of the CONTROL PCB schematic shows this clearly.
>
> 73,
> Larry, W0QE
>
> On 3/12/2015 1:56 PM, sguenter@... [acom-list] wrote:
>>
>> For a late 2014 ACOM 1000 -
>>
>> Can anyone tell me what the current draw of the keying circuit is
>> back thru the exciter? I'm guessing it's in the 100ma range.
>>
>> Skip - K5SRG
>>
>>
>
>

6379. Re: [acom-list] keying circuit current draw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-13 00:04:04 UTC
From: Jim Cox
Topic: 6376 Message: 6379

I think it is in the 10 ma range. Jim k4JAF

From: mailto:acom-list@yahoogroups.com
Sent: Thursday, March 12, 2015 2:56 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] keying circuit current draw

For a late 2014 ACOM 1000 -

Can anyone tell me what the current draw of the keying circuit is back thru the exciter?
I'm guessing it's in the 100ma range.

Skip - K5SRG

6380. Re: [acom-list] keying circuit current draw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-13 01:43:40 UTC
From: Mike Harris
Topic: 6376 Message: 6380

Measured on my late 2006 Acom 1000:

11.9Vdc open. 10.9mA keyed.

Easy enough done.

Regards,

Mike VP8NO

On 12/03/2015 21:04, 'Jim Cox' jcox123@... [acom-list] wrote:
> I think it is in the 10 ma range. Jim k4JAF
>
> From: mailto:acom-list@yahoogroups.com
> Sent: Thursday, March 12, 2015 2:56 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] keying circuit current draw
>
>
> For a late 2014 ACOM 1000 -
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>
> Skip - K5SRG

6381. Re: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-17 17:22:21 UTC
From: garfieldbill700@...
Topic: 6363 Message: 6381

The Acom 1010 lists the required fuse sizes on the back of the amplifier as well as in the owner's manual. Unfortunately the European 20 mm size (physical size) is uncommon in the US and rarely available at your local hardware store. Good to know they can be found at Fry's, but we're not all lucky enough to have a neighborhood Fry's. They can also be obtained online from Mouser.

Another good way to blow a fuse in your 1010 is by over-driving it. The Mfr-suggested drive power is 70w. Yes, you certainly can exceed this by a small amount, just beware that among other intrinsic issues, excessive drive causes the amp to draw excessive current. For example, with the 1010 wired for 240v the actual measured current draw (from the AC line) when properly tuned is approx. 5.6 amps with 70 watts of drive. In theory we could extrapolate that and expect twice the amount of current (11.2 amps) when operating the 1010 from half the voltage (120v) with the same 70w of drive. If true, this would therefore make me question the validity of the mfr's selection of only a 10-amp fuse for 120v operation, especially fast-blow.

With 85w of drive, my Acom 1010 (wired for 240v) while operating with a line voltage of 241vac, draws 6.4 amps (measured with an Amprobe) and shows 6.24 amps when measured with a Fluke 80i-410 current probe. Either way, with 85w of drive it would seem that you're operating right on the ragged edge of your fuse rating. Of course the fuse will take it. 6.3a fuses don't actually blow when the rated current is reached, but typically blow once their current rating is exceeded by 15%. Still, that's not a lot of headroom.

Similarly, the mindset that prevails in some circles about changing to a lower transformer tap value to result in a higher secondary (B+) voltage would seem misguided. and very ill-advised. Such "advice" does indeed increase the B+ voltage, but also increases the tube filament voltage (among other operating parameters).. I would be interested in reading others' thoughts on this matter.

6382. Re: Pair of GU74b tubes from Vine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-17 20:04:23 UTC
From: garfieldbill700@...
Topic: 6300 Message: 6382

Periodic rotation is only necessary for the purpose of giving you a warm & fuzzy feeling in knowing that you have spare tubes immediately ready to go in service in the unlikely event they are called upon. In reality, when you buy spare tube(s) you would certainly want to rotate them into operation initially just to verify that they're good. It's tedium, sure, so one option would be to pull your current (known good) tubes, put in the spares and let them getter for at least 5 hours (my opinion) and then bring them up to full power slowly, i.e., 50% at first and run them like that for 2 or 3 hours before bringing them up to full power and run them for another 2 or 3 hours. Now it's decision time, either leave the freshly conditioned spares in service or pull them & go back to your originals. Considering the time it takes I would be tempted to leave the newly purchased spares in service and shelve the originals & log their service dates so you have some record..

Others may have differing opinions.

6383. RE: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-17 21:17:57 UTC
From: Kees - pa7two
Topic: 6363 Message: 6383

Wasn't 70 Watt the maximum advised power input for an Acom 1010? I would not even drive the Acom 1010 above 60Watt input power (SSB & CW), same with the Acom 1000 units. This to safe guard the GU74B tube and spec-ed down components (when compared to an Acom 1000, in example).

So, what are we talking about then? 85 Watt input seems way too much. Buy a bigger amp would be my advice if the 60 Watt input doesn't provide the output levels you want.

Fact is that the 10 amp fuse might be on the limit / edge when using the Acom 1010 on 120v Volt input and using max input RF power, agreed.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 17 Mar 2015 10:22:21 -0700
Subject: Re: [acom-list] Acom 1010 fuse question

The Acom 1010 lists the required fuse sizes on the back of the amplifier as well as in the owner's manual. Unfortunately the European 20 mm size (physical size) is uncommon in the US and rarely available at your local hardware store. Good to know they can be found at Fry's, but we're not all lucky enough to have a neighborhood Fry's. They can also be obtained online from Mouser.

Another good way to blow a fuse in your 1010 is by over-driving it. The Mfr-suggested drive power is 70w. Yes, you certainly can exceed this by a small amount, just beware that among other intrinsic issues, excessive drive causes the amp to draw excessive current. For example, with the 1010 wired for 240v the actual measured current draw (from the AC line) when properly tuned is approx. 5.6 amps with 70 watts of drive. In theory we could extrapolate that and expect twice the amount of current (11.2 amps) when operating the 1010 from half the voltage (120v) with the same 70w of drive. If true, this would therefore make me question the validity of the mfr's selection of only a 10-amp fuse for 120v operation, especially fast-blow.

With 85w of drive, my Acom 1010 (wired for 240v) while operating with a line voltage of 241vac, draws 6.4 amps (measured with an Amprobe) and shows 6.24 amps when measured with a Fluke 80i-410 current probe. Either way, with 85w of drive it would seem that you're operating right on the ragged edge of your fuse rating. Of course the fuse will take it. 6.3a fuses don't actually blow when the rated current is reached, but typically blow once their current rating is exceeded by 15%. Still, that's not a lot of headroom.

Similarly, the mindset that prevails in some circles about changing to a lower transformer tap value to result in a higher secondary (B+) voltage would seem misguided. and very ill-advised. Such "advice" does indeed increase the B+ voltage, but also increases the tube

filament voltage (among other operating parameters).. I would be interested in reading others' thoughts on this matter.

6384. RE: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-18 02:08:29 UTC
From: garfieldbill700@...
Topic: 6363 Message: 6384

While the Acom 1010 owner's manual states that 50~70 watts of drive is all that is required to achieve rated output, I'm unable to find any specific mention that 70w is the maximum recommended drive or any precautionary statement warning the user about exceeding the 70w recommended drive..

What will happen with overdrive is that as you will draw additional plate current and additional grid current, which of course results in additional current being drawn from the AC mains while achieving slightly greater output. You may get away with this in 240v operation, but in 120v operation I would expect the line fuse to be the first thing to let go. In fact this (overdrive) may well be the most likely cause of the fuse blowing in 120v units while trying to squeeze out that last watt.

In the 240v variant, as we approach 85w of drive or higher you will begin to draw excessive grid current (G1 warning lamp comes on) and at 90w of drive you begin to draw excessive plate current (iP warning lamp comes on) - and if you persist, the "stupid switch" will crowbar the amplifier and reward your mistake with the red (F) lamp... that is, if you don't blow the line fuse first. In either event it appears that ACOM has incorporated enough failsafe systems to protect the amplifier from the most common types of operator error.

The above notwithstanding, since the manufacturer recommends a 6½A fuse in the 240v primary, I am at a loss to explain why there isn't a 13A fuse in the 120v primary. This is not a recommendation to replace the fuse with a larger one in 120v units, merely my inquiring mind wanting to know why not?..

6385. RE: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-18 09:11:22 UTC
From: W5OV@...
Topic: 6363 Message: 6385

Bill,

The manual for the 1010 says:

CAUTION
For 120 V ac operation, the fuses should be rated at 10 A; for 240 V ac operation, the fuses should be rated at 6.3 A.

If it is necessary to replace the line (mains) fuses, use only those that are permitted under local safety codes.

The two primary line (mains) fuses in the amplifier are located on the rear panel (Fig. 2-1). They are of the fast (quick blow) type, European size 5 x 20 mm. Use 10 A for 100-120 V ac operation; 6.3 A for 200-240 V ac operation.

Suitable types are:
For 120 V: 10 A 250 V 5 x 20 mm fast (quick blow), Littlefuse 0217010; Wickmann 1942100000

For 240 V: 6.3 A 250 V 5 x 20 mm fast (quick blow), Littlefuse 021706.3; Wickmann 1931630000

On Tue, March 17, 2015 9:08 pm, garfieldbill700@... [acom-list] wrote:
> While the Acom 1010 owner's manual states that 50~70 watts of drive is
> all that is required to achieve rated output, I'm unable to find any
> specific mention that 70w is the maximum recommended drive or any
> precautionary statement warning the user about exceeding the 70w
> recommended drive..
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> What will happen with overdrive is that as you will draw additional plate
> current and additional grid current, which of course results in
> additional current being drawn from the AC mains while achieving slightly
> greater output. You may get away with this in 240v operation, but in
> 120v operation I would expect the line fuse to be the first thing to let
> go. In fact this (overdrive) may well be the most likely cause of the
> fuse blowing in 120v units while trying to squeeze out that last watt.
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> drive you begin to draw excessive plate current (iP warning lamp comes
> on) - and if you persist, the "stupid switch" will crowbar the amplifier
> and reward your mistake with the red (F) lamp... that is, if you don't
> blow the line fuse first. In either event it appears that ACOM has
> incorporated enough failsafe systems to protect the amplifier from the
> most common types of operator error.
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> The above notwithstanding, since the manufacturer recommends a 6½A fuse
> in the 240v primary, I am at a loss to explain why there isn't a 13A fuse
> in the 120v primary. This is not a recommendation to replace the fuse
> with a larger one in 120v units, merely my inquiring mind wanting to know
> why not?..

6386. RE: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-18 09:23:36 UTC
From: W5OV@...
Topic: 6363 Message: 6386

Sent too soon!

Further, the manual states:

b) Power Output: 700 W PEP or 500 W continuous carrier.

So, speculation about exceeding these limits is outside what Acom recommends, no?

If you want to run more power, you need a bigger amplifier.

W5OV

Wed, March 18, 2015 4:11 am, W5OV@... [acom-list] wrote:
> Bill,
>
>
> The manual for the 1010 says:
>
>
> CAUTION
> For 120 V ac operation, the fuses should be rated at 10 A; for 240 V ac
> operation, the fuses should be rated at 6.3 A.
>
> If it is necessary to replace the line (mains) fuses, use only those that
> are permitted under local safety codes.
>
> The two primary line (mains) fuses in the amplifier are located on the
> rear panel (Fig. 2-1). They are of the fast (quick blow) type, European
> size 5 x 20 mm. Use 10 A for 100-120 V ac operation; 6.3 A for 200-240 V
> ac operation.
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> Suitable types are:
> For 120 V: 10 A 250 V 5 x 20 mm fast (quick blow), Littlefuse 0217010;
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>
> For 240 V: 6.3 A 250 V 5 x 20 mm fast (quick blow), Littlefuse 021706.3;
> Wickmann 1931630000
>
>
>
>
> On Tue, March 17, 2015 9:08 pm, garfieldbill700@... [acom-list]
> wrote:
>

>> While the Acom 1010 owner's manual states that 50~70 watts of drive is
>> all that is required to achieve rated output, I'm unable to find any
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>> the fuse blowing in 120v units while trying to squeeze out that last
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>> 90w of
>> drive you begin to draw excessive plate current (iP warning lamp comes
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>> amplifier and reward your mistake with the red (F) lamp... that is, if
>> you don't blow the line fuse first. In either event it appears that
>> ACOM has
>> incorporated enough failsafe systems to protect the amplifier from the
>> most common types of operator error.
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>> The above notwithstanding, since the manufacturer recommends a 6½A
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>> in the 120v primary. This is not a recommendation to replace the fuse
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> Posted by: w5ov@...
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> Yahoo Groups Links
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6387. RE: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-18 09:51:17 UTC
From: Kees - pa7two
Topic: 6363 Message: 6387

Spot on Sir!

GU74B tubes were designed for 700 Watts output. Please keep that in mind at all times.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 18 Mar 2015 04:23:36 -0500
Subject: RE: [acom-list] Acom 1010 fuse question

Sent too soon!

Further, the manual states:

b) Power Output: 700 W PEP or 500 W continuous carrier.

So, speculation about exceeding these limits is outside what Acom

recommends, no?

If you want to run more power, you need a bigger amplifier.

W5OV

Wed, March 18, 2015 4:11 am, W5OV@... [acom-list] wrote:

> Bill,

>

>

> The manual for the 1010 says:

>

>

> CAUTION

> For 120 V ac operation, the fuses should be rated at 10 A; for 240 V ac

> operation, the fuses should be rated at 6.3 A.

>

> If it is necessary to replace the line (mains) fuses, use only those that
> are permitted under local safety codes.
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> The two primary line (mains) fuses in the amplifier are located on the
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> ac operation.
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> Suitable types are:
> For 120 V: 10 A 250 V 5 x 20 mm fast (quick blow), Littlefuse 0217010;
> Wickmann 1942100000
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>
> For 240 V: 6.3 A 250 V 5 x 20 mm fast (quick blow), Littlefuse 021706.3;
> Wickmann 1931630000
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> On Tue, March 17, 2015 9:08 pm, garfieldbill700@... [acom-list]
> wrote:
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> Posted by: w5ov@...

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6388. RE: [acom-list] Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-18 16:52:05 UTC
From: garfieldbill700@...
Topic: 6363 Message: 6388

Understood...

so allow me to ramble, just a bit

Merely commenting because I have seen with my own eyes some of the monkeyshines that occur with reckless abandon with another (unmentioned) brand of amplifier. What I'm referring to is the transformer tap changes occurring on a certain entry-level brand of tube-based amplifiers, often within the first few days of ownership and of course always performed on the basis of "good advice" from other "experts"..

The harsh reality is that the output power increase amounts to less than 1 db and does not show up on the S-meter at the other end, while needlessly stressing the tube with a filament bright enough to read the paper by. The 3-500 filament spec is 5.0 volts (+/- 5%). Changing the transformer primary tap to the lowest available value (with the amp in question) does in fact increase the B+ but it will also increase the filament voltage by as much as 33%.

Preferring to believe that Acom owners might possibly come from better breeding stock, I mention this only in hopes that our more discerning user base would all be smart enough to never pull a stunt like this with their fine Acom amplifier.

The beatings may now begin.

6389. Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-18 19:57:12 UTC
From: garfieldbill700@...
Topic: 6219 Message: 6389

That really doesn't seem like an answer...

Like the original poster, I too find it a bit unnerving to be in QSO and have the amp suddenly come on line unexpectedly. My rig cannot exercise explicit control over the keying line, nor in my opinion should it be expected to. Call it what you wish, I see it as a design flaw.in an otherwise great amplifier. What were they thinking?

The tube chimney exhaust is also dangerously hot both during and immediately following QSOs, especially CW. . Yesterday I measured the temperature of the exhaust air flow at the vent holes on top of the cabinet and found it to be 240 degrees F. That will burn your flesh.. With all the concern over safety and admonishing us to not attempt replacing the tube ourselves, I'm surprised that there's no serious burn warning. Considering all the other myriad cautions and warnings...

Actually I'm concerned more about the amp overheating. I know this has been asked and answered by Acom, but I would gladly sacrifice a few db of ambient noise for improved air flow volume through the tube. Yes, there's an optional fan, but then I'd need to have it sitting on top of the amp, which makes it look jerry-rigged. Is there any option to get a replacement (higher output) internal fan?

6390. Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-19 18:25:49 UTC
From: Skip Guenter
Topic: 6219 Message: 6390

Will the 1010 not take the pusher fan that's optional on the 1000 / 1500 mounted on the back air inlet?

--
S. R. 'Skip' Guenter, K5SRG/
/

6391. Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-19 18:32:42 UTC
From: Skip Guenter
Topic: 6363 Message: 6391

LOL... I thought FOR SURE you were talking about the AL-811s rear jumper line voltage adjustments until you mention the 3-500Z. I don't recall that fine of adjustment options on my ol' AL-80A or SB-1000 so must be a "B" thing.

My ACOM 1K is the only amp I have / had that isn't UNDER fused and I may do that next time it's off it's shelf.

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6392. Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-20 03:46:28 UTC
From: garfieldbill700@...
Topic: 6363 Message: 6392

Got some schooling today from a local electrician-friend.who now teaches electronics part time at the JC

First, the ampere-rating of a fuse is the amount of current the fuse *must carry* indefinitely **without** blowing. Blow specs vary depending on the amount of overload and the type of fuse, i.e., fast blow, standard and slow blow. In general with a 200% overload a "fast-blo" fuse is designed to break the circuit in 0.7 seconds. A standard-blow (didn't know there was one) is designed to open a 200% overload in 1.5 secs. A slow-blo fuse is designed to open a 200% overload in 10 seconds.

The *VOLTAGE* rating of a fuse only has to do with the width of the gap in the element *after* the fuse blows, so that the voltage would not be able to jump the gap. Hence the reason why you should never use automotive fuses in 125 or 250 volt circuits. As far as our Acom amplifiers are concerned, either a 125v or 250v fuse would be fine.

Per IEC 60127-2, a standard cartridge fuse must be able to sustain a 125% overload condition for a minimum of one hour, but open within 2 minutes or less at 200% overload.

My electrician/teacher friend was unable to explain why Acom would choose a 6.3a fuse for 240v operation vs. a 10a fuse for 120v operation. He agreed with me that logically you would expect to see twice the amperage fuse size deployed when the voltage is halved. Otherwise, if the 10a fuse is correct for 120v then we should only have a 5a fuse for 240v.

We did additional tests today with a calibrated Fluke digital amprobe using 70w of drive and 1500w dummy load and Bird-43 wattmeter, but with 236.6vacline voltage (measured under load) and the amplifier optioned for 240v mains: Results:
3.916 Mhz 70w in, 780 out 6.1 amps
7.260 Mhz 70w in, 750 out, 5.9 amps
10.103 Mhz 70w in, 775 out, 6.0 amps
14.2 Mhz 70w in, 775 out, 6.0 amps
21.3 Mhz, 70w in, 790 out, 6.2 amps (just a needle's width shy of 800)
28.47 Mhz 70w in, 800 out, 6.3 amps
I would like to do these same tests with the amp optioned for 120v, but there is a problem in doing that.

First of all it's a PITA to pull the amp down & change the taps, find a new 14ga cord, etc. but perhaps of more significance, my electrician/teacher friend informs me that the maximum current draw of any single appliance should never exceed 80% of the breaker size. Ergo with a std. 15A breaker as is common in most homes today, you should not draw more than 12 amps with any single connected appliance or device, For any such high current-draw appliances, the minimum circuit is supposed to be on a 20 amp.breaker. Indeed, if you check today's modern kitchen countertop outlets you will discover that they are 20-amp circuits, not 15-amp like all the other outlets in our home. Well now, isn't that special?

---In acom-list@yahoogroups.com, <sguenter@...> wrote :

LOL... I thought FOR SURE you were talking about the AL-811s rear jumper line voltage adjustments until you mention the 3-500Z. I don't recall that fine of adjustment options on my ol' AL-80A or SB-1000 so must be a "B" thing.

My ACOM 1K is the only amp I have / had that isn't UNDER fused and I may do that next time it's off it's shelf.

--
S. R. 'Skip' Guenter, K5SRG
3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area

6393. Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-20 04:22:14 UTC
From: garfieldbill700@...
Topic: 6219 Message: 6393

Unfortunately there is no air inlet on the back of the 1010. Everything comes from underneath, which could one day become a maintenance issue for dust, pet fur and etc. For the moment I broke down and put a 3" PC muffin fan directly above the chimney, but elevated it 1/2" with some rubber bump-ons to further improve air flow as well as minimize the fan noise. This has had the desired result of dropping the discharge air temperature significantly, dropping it from 240 down to 160, even after an hour-long stint last night chasing the CWT gang on 20 & 40m & the amp making max PO. I'd just rather not have to look at a $5 aux.fan sitting on top of a very nice looking $2k amp.

6394. Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-20 19:20:28 UTC
From: Skip Guenter
Topic: 6363 Message: 6394

All seriousness aside, this might be slightly more accurate than my plug in the wall Kill-a-Watt thingie majigger. ;-)

I do recall someone telling me many moons ago that fuses blow at something substantially higher than the rating stamped on them for short durations to handle OFF-ON current surges.

Now let's take this and the info your VERY informative electrician provided... Seems to me if you're not running a 1010 at full tilt, at least for SSB usage you could probably run a 5A ceramic fuse and have a margin of extra safety!

So any idea how much any one of these numbers drop with say 55W or 60W of drive? Let's say on 40m? Does it drop to 5.06A at 60w on 40m (direct ratio of input drive)? Naw, that would be too simple.

.....
/3.916 Mhz 70w in, 780 out 6.1 amps //
//7.260 Mhz 70w in, 750 out, 5.9 amps //
//10.103 Mhz 70w in, 775 out, 6.0 amps //
//14.2 Mhz 70w in, 775 out, 6.0 amps //
//21.3 Mhz, 70w in, 790 out, 6.2 amps (just a needle's width shy of 800) //
//28.47 Mhz 70w in, 800 out, 6.3 amps/
.....

BTW, this sent me off chasing the diff between glass fuses and ceramic fuses. The reasons the ceramics are better and often used in amps was NOT what I would've guessed.

Because I've seen grey ceramic fuses sold as replacements for microwave ovens and in my 1000, I assumed it had something to do with RF effects on the fuse.

It doesn't.

Ceramic fuses usually have
1) a faster reaction time,
2) a higher AIC, and;
3) are usually HRC fuses (as by product of #2)
4) slightly higher in line resistance (micro ohms diff)

Acronyms: AIC = Ampere interrupting capacity. HRC = High Rupture Capacity.

eg. A glass fuse of has a 10X RC or AIC meaning, if it were a 10A fuse it can keep a 100A arc from passing thru it. Ceramic HRC fuses are supposed to be able to keep a much higher ampere arc from passing thru it, possibly 1000A. Often it's by being sand filled. Sand melts and

turns to glass creating a natural insulator.

BTW, Ceramics can be had in 10, 20 and 50 lots dirt cheap on feeBay out of China. Don't have a way to test quality but I've been using them for a couple years. Can only confirm they blow and equipment (old tube amp / old tube final radio) wasn't harmed.

Didn't know all that till just now. So thanks for info directly and via a push to a web search or two.

Now off to put some 8A ceramics in my 1000 and see how that works out ;-)

HEY, Just pulled them and they're glass 10A fuses that came in it.
Here's what manual says:

/The two Primary Mains Fuses of the amplifier are located on the rear
panel (Fig. 2-1). They are 10A///
//250V Quick blow, 1-1/4 x 1/4 inch Cartridge Fuses, Size □0□ Ceramic./

Well 8A ceramics in it now. We'll see how this works. If nothing else it'll tell me how hard I'm really running it on various modes.

--
S. R. 'Skip' Guenter, K5SRG/

/

6395. Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-20 21:02:31 UTC
From: garfieldbill700@...
Topic: 6363 Message: 6395

Skip -

I too have one of the Kill-A-Watt model P4400 meters. It's a neat device for show-'n-tell when you're trying to sell someone on the concept of energy conservation and what various appliances around the house draw. Also handy for tracking the electricity cost of leaving your PC on 24/7 vs. turning it off. On the downside, the Kill-A-Watt meter only works on 120v and (per the label) is limited to 15a loads.

Going strictly on the basis of the information bestowed upon me yesterday by my electrician friend, coupled with the real-world working loads that I was able to measure in real time with halfway decent instrumentation, I did arrive at the conclusion that my 1010 amplifier is incrementally over-fused with 6.3a fuses in a 240vac environment. Yes, I'm pulling nearly 6.3a, but only for very brief, key-down tune-up periods. Back to the 10a fuses & 120v, it's looking like 5a fuses for the 240v environment might be more prudent. However, the thing I do not want to get started is "nuisance blowing", especially in the heat of battle in trying to land that rare one. - and no, I don't need nor want a bigger amp. I bought the 1010 because I am a firm believer in the first 6db of signal boost being your single best return on investment, not to mention a proportionally lessor chance of other intrinsic "issues".

Your remarks about ceramic fuses are well received and would no doubt be of potential benefit, though I probably won't go to that extreme for my 1010. I also just bought some spare 6.3a fuses from Mouser, but in retrospect and in view of test results would like to at least try my luck with 5a fuses.

In regard to current draw with reduced drive, I'm not going to spend a great deal of time with this and drilling down through multiple bands, but can provide the following numbers as they relate to 40 meters.
7.215 Mhz 60w drive, 600 out, 5.6 amps
7.215 Mhz 50w drive, 520 out, 5.2 amps
7.215 Mhz 40w drive, 400 out, 4.8 amps
7.215 Mhz 35w drive, 320 out, 4.5 amps
NOTE WELL that the wattage output stated here is the power actually measured by the Bird meter, not the power being indicated on the LED display. The LED display (at least on my 1010) is not real accurate in that regard, to wit:
7.215 Mhz PO on Bird meter = 600w, PO as indicated on the LED display = 700w
7.215 Mhz PO on Bird meter = 520w, PO as indicated on the LED display = 600w
7.215 Mhz PO on Bird meter = 400w, PO as indicated on the LED display = 450w
ALSO, ignoring the TRI LEDs and tuning strictly for maximum PO on the meter you can almost always achieve at least 5% to 7% additional output than you can by using the book method and centering the LOAD led. Obviously no one on the air will be able to tell the difference, but RF purists who live & die by their wattmeters will likely see slightly greater line current draw, higher plate current (and hotter chimney temperatures) as a result of their efforts.

I am not at all concerned about running my 1010 "flat-out", as the tube is in absolutely no imminent danger of harm, nor is the amp showing any G1 or G2 (or iP) warning lamps. If Acom can run the tube at 1KW in the model 1000, I'm sure it will survive a very long time at 750~800w in my 1010 . I only wish there was better air flow volume through the tube and will probably look into addressing this one the warranty period is over.

Finally, yes, I did in fact order a spare tube. I'm not paranoid, only a realist. I learned that painful lesson with my old Dentron MLA-2500. Even if I never need it, at the very least the spare GU74B will be an investment that will never lose its value. I already have plans to install it when it arrives. I found the online documentation for tube replacement in the 1000 and in reading that doc. it appears the process in the 1010 would be very similar, except the 1010 has only 1 bias pot for setting the idling current adjustment and no temperature sensor. With all due heed to safety, how difficult can it really be? I've replaced screen bypass capacitors inside a 20kw Gates FM transmitter before & lived to hunt again. :)

73
Bill - WB9FOP

6396. Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-21 15:59:55 UTC
From: Skip Guenter
Topic: 6363 Message: 6396

Bill,

That's more reduced drive info than I'd hoped for. Thanx.

The Bird readings are interesting as my PO indicated on the amp is higher than my (not Bird) meter reads also. Not as much as you've found but more along the lines of 6~10%. I'm gonna make a trip up to Dallas & Array solutions later this year and hope to purchase a PowerMaster II so will have an accurate meter to check this on my 1000 a bit further.

I don't know if you know of Tom Rauch, are a disciple or in another camp. I'm not a zealot but am a follower. Some interesting reading here about why to not tune for max output at the operating drive levels: http://www.w8ji.com/loading_amplifier.htm#Improper_Loading_of_Amplifier

I've proven to myself that this holds for 3-500Z tubes. Tuned for max at a given drive level, over time I degraded an NOS Amperex tube faster than it should have. Reverting to "Over-Coupled" tuning essentially stopped the downward output trend and the old Eimac that's in that old amp now has shown no signs of dropping output in some time. This was pre-ACOM days.

I hope / believe the TRI slightly over-couples the tuning cap and further I think / hope it makes a compensation for the reduced power it tunes at so it's still over-coupled when the attenuator is removed. Being able to garner another 5% would tend to support that theory and is what I've seen on a manual tune also.

Anyway, by the time evening rolled around yesterday I'd already forgotten that I had the 8A ceramics in the amp. I participated in but was not the net control in WAS nets on SSB 40m, 75m and 160m nets with a dead key power indicated on my meter of around 700W. The 8A ceramics held fine.

I have a NCS gig on 20m RTTY today so I just set up and ran the macro that's the longest single script (very long) and a couple others shortly after at about 350W into the dummy load and the fuses held. Dummy load got pretty warm ;-)

I've got almost 6 months left on the original tube warranty and would like to swap in a new one at that point and put the original on the shelf. I may take the amp on my Array Solutions trip and make arrangements to have them put a new tube in it that day. I'm under the assumption these ceramic tubes don't need to be rotated like my 3-500Z tubes.

Good stuff or as they say "FB".

Skip

.....
40 meters.
7.215 Mhz 60w drive, 600 out, 5.6 amps
7.215 Mhz 50w drive, 520 out, 5.2 amps
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ALSO, ignoring the TRI LEDs and tuning strictly for maximum PO on the meter you can almost always achieve at least 5% to 7% additional output than you can by using the book method and centering the LOAD led.
Obviously no one on the air will be able to tell the difference, but RF purists who live & die by their wattmeters will likely see slightly greater line current draw, higher plate current (and hotter chimney temperatures) as a result of their efforts.
.....

--
S. R. 'Skip' Guenter, K5SRG/
/

6397. Acom 2000A For Sale

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-21 16:38:44 UTC
From: Richard Zalewski
Topic: 6397 Message: 6397

For Sale my Acom 2000A. Includes set of unused GU74b tubes. Amp has the optional extra fan. No issues and full output. Non-smoking environment. Prefer pickup in Lake Havasu City but will ship insured at buyer’s expense double boxed. Email or phone serious inquiries. 928-two-zero-eight 7175. Asking $5300.

--

Tnx es 73

Richard W7ZR

www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

6398. Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-21 17:06:12 UTC
From: garfieldbill700@...
Topic: 6363 Message: 6398

In my opinion, "Rotation" is only necessary if you (1) wish to age-down your tube inventory evenly, and (2) want the comfort of having an immediately ready spare without having to go through the getter process again before getting back on the air In the amps with multiple tubes the same applies, tho here I would want to grade them by the discharge air temperature in the chimney and then seek to pair them up on that basis. My experience in that area being that the hotter tube is often more indicative of a weaker horse in the next stall or else something wrong under the hood. (i.e., cathode resistors).

In the reduced drive figures in my previous post I neglected to mention that those were "tune for maximum smoke" numbers rather than book method, only for the sake of showing what output can be achieved with lower drive. Speculation, but with by-the-book tuning you can probably expect 0.1a less current draw from the wall socket.

As far as wattmeters go, gosh, the new ones are sure pretty but I've been a Bird man for 40+ years and place a lot of trust in them. My current setup is a pair of identical Bird-43 meters ganged together in series with a 1-kw slug in the forward direction and a 25w slug in the reflected direction. I recently modded the forward-looking meter with the addition of an LNA Technology PR-90 peak conversion board. For consistency, there is a 3rd Bird-43 attached to the cantenna. Also just in case someone shows up at the door someday with a 2-wheel hand truck and graciously offering to let me test drive his new Acom 2000, there are appropriate-sized spare meter slugs in the drawer >grin<

6399. RE: [acom-list] Re: Acom 1010 fuse question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-22 15:26:33 UTC
From: Kees - pa7two
Topic: 6363 Message: 6399

Same can be seen on the Acom 1000 (ACKed by Acom) a 10% too positive power metering on the FP display.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 20 Mar 2015 14:02:31 -0700
Subject: [acom-list] Re: Acom 1010 fuse question

Skip -

I too have one of the Kill-A-Watt model P4400 meters. It's a neat device for show-'n-tell when you're trying to sell someone on the concept of energy conservation and what various appliances around the house draw. Also handy for tracking the electricity cost of leaving your PC on 24/7 vs. turning it off. On the downside, the Kill-A-Watt meter only works on 120v and (per the label) is limited to 15a loads.

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Finally, yes, I did in fact order a spare tube. I'm not paranoid, only a realist. I learned that painful lesson with my old Dentron MLA-2500. Even if I never need it, at the very least the spare GU74B will be an investment that will never lose its value. I already have plans to install it when it arrives. I found the online documentation for tube replacement in the 1000 and in reading that doc. it appears the process in the 1010 would be very similar, except the 1010 has only 1 bias pot for setting the idling current adjustment and no temperature sensor. With all due heed to safety, how difficult can it really be? I've replaced screen bypass capacitors inside a 20kw Gates FM transmitter before & lived to hunt again. :)

73
Bill - WB9FOP

6401. Re: Acom 1010 Setup

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-23 01:51:27 UTC
From: garfieldbill700@...
Topic: 6219 Message: 6401

That's correct. The 1010 only has an air inlet on the bottom (underside)

6403. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-23 15:54:35 UTC
From: Skip Guenter
Topic: 6403 Message: 6403

So I gotta ask, In my finest hillbilly... Waddya think a 10 ohm woulda done in there instead as far as cooling?

.....

/I discovered a 22-ohm, 3-watt resistor (schematic symbol R-35) in series with the Acom 1010's fan lead. (easily accessible, located at the back left corner of the "Mains" board) With all due heed to the litany of safety precautions, I bypassed the crowbar & cover-present switch and found that there was a 3.8v drop across R-35 and with R-35 jumpered with a clip lead, there was a substantial increase in the fan speed. //

////

////

//With R-35 now replaced with a short piece of #20 wire and the amplifier cover back on, it was time for the acid test with another 20 minute SSB QSO followed by sending CQ for a solid 5 minutes into the dummy load. With a power output of 750w (70w drive) I was very pleased to discover the discharge air temperature was now down to a much more acceptable 175 degrees, a full 70-degree improvement. The tube was also cooling much faster, dropping about 1 degree per second at the end of the test. /

.....

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6404. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-23 16:42:27 UTC
From: garfieldbill700@...
Topic: 6403 Message: 6404

Well actually, as Paul Harvey would have said, there's more to the story.

Turns out that R-35 is not the culprit that's slowing down the fan. While it does have that affect, the real purpose of the 22 Ω 3-watt resistor was to reduce the DC voltage on the fan to make it approx 12v (realizing that the original circuit would have had about 17 v there. (12v fans don't like 17v) Most likely in the original circuit the low side of the blower and the low side of capacitor C-14 (100 uf) would have been ground (as shown in the schematic). However, some clever person added R-35A (33 Ω) between the low side of the blower/C-14 and ground, ostensibly to slow down the fan and tame the noise. Obviously you can't always trust schematics when marketing types get involved post-design in trying to influence a design (and quell the fan noise).

Ergo a correct mod (and I will rewrite it) would be to jumper the 33 Ω resistor R-35A rather than R-35.

Film at 11

73 - Bill - WB9FOP

6405. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-23 16:56:10 UTC
From: Jim
Topic: 6403 Message: 6405

The approach of jumping the fan resistor (clearly marketing at work !) is elegant. The air intake on the bottom prompts me to add the observation that many of the "brag" photos we all do of our stations often feature elaborate wood shelving fashioned to fit the equipment.....and limit air flow. I credit Ray, K1KXN for leading me to open mesh shelving from Storables for stacking equipment. Highly flexible and cheap it significantly improved air flow around all my gear. My 2000A is in an open closet area on similar shelving as is the 1000. Further, I was able to lift all the gear off the desk completely thus gaining surface area to shove dirty dishes, empty cups and the like out of sight of visitors...and hide catalogs, of course. My QRZ page shows an older variant of this approach to cooling, aesthetics and bringing controls closer to eye level thus easing my neck, too. Jim K8JRK.

Jim

6406. ACOM 1010 Fan Mod - Tube Too Hot (Revised)

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-23 20:10:03 UTC
From: garfieldbill700@...
Topic: 6406 Message: 6406

Revised / corrected fix for ACOM 1010 overheating

Correction - the target of your jumper wire should be R-35A (33 Ω 1-watt) not R-35

I originally jumpered-out R35 (22 Ω 3-watt) because I saw it in the blower circuit schematic. However, R-35 actually has a valid purpose, or at least it would have, were it not for the post-production addition of R-35A which is not shown in the currently available schematic drawings.

R-35A is nearby, actually right next to R-35, so be sure to jumper-out the right one (Orange-Orange-Black).

What appears to have happened is the original ground on the low side of the blower motor (black lead) and the low side of C-14 (100 ufd) was cut and another resistor (R-35A, 33 Ω 1-watt) was added in series with the ground connection, ostensibly for the purpose of significantly lowering the fan speed and thereby reducing the blower noise. Mission accomplished, except now the tube runs hotter than blazes.

I don't know about the rest of you, but at the current price of $350 a tube, I can tolerate a lot of fan noise. Besides, I don't find what little noise there is all that objectionable. Just keep your mic gain and compressor gain in check and it shouldn't be a problem.

Results:

With the revised fan mod, the standby/idle exhaust temperature is now 102.4 degrees (previously 110)

5 min. dead-key, no modulation, no power out, idle bias only temp improved from 240 degrees to 195

5-minutes SSB ragchew transmission temperature improved from 285 degrees to 233 (whee!)

Key-up cooling time avg 1 degree per second, dropping from 233 degrees to 119 degrees in 2 minutes
During the 3rd minute of cool-down the temperature dropped another 10 degrees.
During the 4th minute the temperature dropped another 3 degrees
After 5 minutes of cooling off the tube was back down to 102.4 deg.

If you attempt this very simple mod, please work safe by following all cautionary statements and not being tempted to defeat the safety interlock.

The beatings may now resume

73 - Bill - WB9FOP

6407. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-23 20:43:13 UTC
From: Mike Harris
Topic: 6403 Message: 6407

As a data point, my 1000 (1000) powered up and in standby runs at 34C, 90F chimney temperature. Room temperature approx 22C.

I have the aux cooling fan fitted because I do quite a bit of RTTY at 600W or there about.

Regards,

Mike VP8NO

6408. RE: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-24 19:46:09 UTC
From: Kees - pa7two
Topic: 6403 Message: 6408

Hi Mike,

Problems, if one can actually speak about 'a problem' in this case, is twofold. Tube temperature in RTTY mode rises due to:

1 - RTTY mode is a (sort of) constant mode.
2 - Reduced RF level, as advised in user manual, pushes the tube into a less linear amplification factor and therefore tube produces more heat.

GU74B tube is most happy, temperature wise, in an Acom 1000 around the 700 - 750 Watt RF output. That is, in CW or SBB :-)

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Mon, 23 Mar 2015 17:43:13 -0300
> Subject: Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees
>
> As a data point, my 1000 (1000) powered up and in standby runs at 34C,
> 90F chimney temperature. Room temperature approx 22C.
>
> I have the aux cooling fan fitted because I do quite a bit of RTTY at
> 600W or there about.
>
> Regards,
>
> Mike VP8NO
>
>
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> Yahoo Groups Links
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6409. RE: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-24 23:10:59 UTC
From: garfieldbill700@...
Topic: 6403 Message: 6409

True about RTTY being a continuous mode and the tube actually being less efficient at reduced PO. One has but to simply 'hold the mic button down with no modulation and just the bias idle current flowing to see how hot it can get.

Regardless of mode and power output, it still seems counter-intuitive to me (coming from a background which includes some commercial broadcast) to risk the tube or shorten its life expectancy by deliberately cutting the blower speed (and air volume) in half because some MBA in the marketing department is leaning on engineering to make it quieter.

6410. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 12:01:58 UTC
From: Mike Harris
Topic: 6403 Message: 6410

Hi,

Is this conjecture or do you have evidence that there has been marketing input as you describe?

Regards,

Mike VP8NO

On 24/03/2015 20:10, garfieldbill700@... [acom-list] wrote:

>
> Regardless of mode and power output, it still seems counter-intuitive to me (coming from a background which includes some commercial broadcast) to risk the tube or shorten its life expectancy by deliberately cutting the blower speed (and air volume) in half because some MBA in the marketing department is leaning on engineering to make it quieter.
>

6411. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 15:50:56 UTC
From: garfieldbill700@...
Topic: 6403 Message: 6411

Mere conjecture, but from prior experience in corporate America I know all too well that the demands of Marketing carry more weight in the Board Room than the desires or needs of engineering. I just do not think cutting the fan speed in half was very wise. With exhaust temperatures exceeding 285 degrees during rag chews and CW sessions, I see it as creating a severe burn hazard in an unprotected/exposed area of the product. Water may boil at 212 degrees, but it takes only 1 second exposure to 160 degrees for human flesh to sustain a 3rd degree burn. (just my opinion)

6412. RE: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 16:04:57 UTC
From: Kees - pa7two
Topic: 6403 Message: 6412

When this high temperature is reached, what was during the QSO's the RF output level set to / used?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 25 Mar 2015 08:50:56 -0700
Subject: Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Mere conjecture, but from prior experience in corporate America I know all too well that the demands of Marketing carry more weight in the Board Room than the desires or needs of engineering. I just do not think cutting the fan speed in half was very wise. With exhaust temperatures exceeding 285 degrees during rag chews and CW sessions, I see it as creating a severe burn hazard in an unprotected/exposed area of the product. Water may boil at 212 degrees, but it takes only 1 second exposure to 160 degrees for human flesh to sustain a 3rd degree burn. (just my opinion)

6413. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 16:57:50 UTC
From: Skip Guenter
Topic: 6403 Message: 6413

I think that's less efficient... not linear..
.....
2 - Reduced RF level, as advised in user manual, pushes the tube into a
less linear amplification factor and therefore tube produces more heat.

--
S. R. 'Skip' Guenter, K5SRG
/3905ccn 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6414. RE: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 17:25:56 UTC
From: garfieldbill700@...
Topic: 6403 Message: 6414

700w output with 70w drive (mfr's recommended settings). Measured with Bird-43 into well-matched load (remote autotuner)

Just seems awfully hot to me & I'm inclined not to be so naive as to accept other users' anecdotal claims that theirs isn't hot. This is merely a casual observation on my part, not really spoiling for a debate.

I just turned the amp on about 5 mins ago, haven't used it yet. Exhaust temp right now 100.1 F as measured w/Taylor model 9842 and 98 F as measured w./Fluke thermal gun.

Now after 1-minute (60 sec) key down w/no modulation, just idle bias current, the Taylor says 163 and the Fluke says 147.

After 2-minute SSB transmission (700w/17 meters) QSO with W8YCM, the exhaust now reads 230 on the Taylor and 202 on the Fluke. This is with the fan speed increased (and with me much happier).

I'm a little more inclined to trust the Fluke, as I see it correlates with the ambient temperature here in the shack.

73 - Bill - WB9FOP
PG-17-7792 (ex. P1-17-11478)
Retired, clutch in and coasting

6415. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 17:46:01 UTC
From: bill
Topic: 6403 Message: 6415

was the amp 2nd hand ??? or new...

bill ny9h/3

At 08:01 AM 3/25/2015, you wrote:
>Hi,
>
>Is this conjecture or do you have evidence that there has been marketing
>input as you describe?
>
>Regards,
>
>Mike VP8NO
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>On 24/03/2015 20:10, garfieldbill700@... [acom-list] wrote:
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>------------------------------------
>Posted by: Mike Harris <mike.harris@...>
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>
>Yahoo Groups Links
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6416. RE: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-25 21:09:14 UTC
From: Kees - pa7two
Topic: 6403 Message: 6416

I am perfectly fine with that correction Sir. (Not native English :-))

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 25 Mar 2015 11:57:50 -0500
Subject: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

I think that's less efficient... not linear..

.....

2 - Reduced RF level, as advised in user manual, pushes the tube
into a less linear amplification factor and therefore tube produces
more heat.

--

S. R. 'Skip' Guenter, K5SRG

3905ccn 40m SSB Late Coord

Alt Dir, 5th Call Area

6417. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-26 13:17:15 UTC
From: garfieldbill700@...
Topic: 6417 Message: 6417

Have to ask how does PA temp & blower speed relate to whether it being new or used?

BTW, tnx for the trip down memory lane with WLS slideshow. I grew up w/that stn. (Biondi, Landecker, Roberts, etc) - Wish now that I'd taken the tour when I came to Chgo to sit for my 1st fone. Eons ago, back when you actually had to study your a** off to pass the test...

6418. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-26 15:57:26 UTC
From: Skip Guenter
Topic: 6403 Message: 6418

Bill,

When the Fluke was reading 202F what did the amp report as it's exhaust air temp?

.....

After 2-minute SSB transmission (700w/17 meters) QSO with W8YCM, the exhaust now reads 230 on the Taylor and 202 on the Fluke. This is with the fan speed increased (and with me much happier)

--
S. R. 'Skip' Guenter, K5SRG/
/

6419. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-26 17:25:48 UTC
From: bill
Topic: 6417 Message: 6419

just looking to see if the factory did that mod or a "user"

At 09:17 AM 3/26/2015, you wrote:

>Have to ask how does PA temp & blower speed
>relate to whether it being new or used?
>
>BTW, tnx for the trip down memory lane with WLS
>slideshow. I grew up w/that stn. (Biondi,
>Landecker, Roberts, etc) - Wish now that I'd
>taken the tour when I came to Chgo to sit for my
>1st fone. Eons ago, back when you actually had
>to study your a** off to pass the test...
>
>

6420. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-26 20:52:40 UTC
From: garfieldbill700@...
Topic: 6420 Message: 6420

Clearly the factory ADDED resistor R-35a to slow the fan. Though it is not shown on the schematic diagram, the Mains board has been stenciled "R35A". The schematic shows the low side of the fan going to ground. It is in fact 33 ohms above ground. Vine Antennas even mentioned that the fan noise has been reduced in the banner info appearing above the product review on eHam.net. Good for marketing but not so good for longevity - in my opinion :)

6421. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-26 21:00:44 UTC
From: garfieldbill700@...
Topic: 6403 Message: 6421

The 1010 does not have that capability. One reason (of several) it's $1K less. Still $2.75 a watt and worth every penny, IMO.

6422. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-26 22:01:17 UTC
From: brian
Topic: 6420 Message: 6422

Question: G/GM/GW ... land has a 400 watt power limit. I wonder how
hot it would get at 400 watts out?
Maybe heat isn't a problem at 400W even with the reduced fan speed.

73 de Brian/K3KO

On 3/26/2015 20:52 PM, garfieldbill700@... [acom-list] wrote:
>
>
> Clearly the factory ADDED resistor R-35a to slow the fan. Though it is
> not shown on the schematic diagram, the Mains board has been stenciled
> "R35A". The schematic shows the low side of the fan going to ground.
> It is in fact 33 ohms above ground. Vine Antennas even mentioned
> that the fan noise has been reduced in the banner info appearing above
> the product review on eHam.net. Good for marketing but not so good
> for longevity - in my opinion :)
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5856 / Virus Database: 4315/9386 - Release Date: 03/26/15
>

6424. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-27 02:21:45 UTC
From: garfieldbill700@...
Topic: 6420 Message: 6424

It will work fine.at 400 watts. It's a great amp and I'm sure you'll love it.
The 1010 works fine at 700 watts too.
You do not have to perform the fan speed mod - that's just me being anal - I did the mod and feel it was justified, but again that's just me..

It's just that I don't (personally) like to run my amplifier as hot as Acom says it's OK to run this one, and I vehemetly disagree with the decision to throttle down the fan speed to placate a few who were complaining about the blower noise. If they'd turn down their mic gain and compression then the blower noise wouldn't be an issue..

The tube is rated for 200 C which is 392 F, but I'm "old school". In my day we always used to joke that if you didn't blow the tube out of the socket then you didn't have too much air. I don't have access to a wind speed meter, but if I did, I would like to see around 50 CFM flow.. The tube Mfr specs the minimum airflow at 20~25 CFM, but I don't like running thing at minimums. If they want 25, I'd like to give them 50. My only broadcast experience was with a Harris FM20H5 making about 19.5kw at the flange and with a blower loud enough that by today's standards you'd need hearing protection if you were going to be in the same room with it very long.

The one thing I definitely would NOT do use the RTTY setting. If you want to run reduced power, I'd tune it for max output (700w) and then decrease your drive to reign it in to your legal limit. I think it may run more efficiently like that. At 400w out you'll be too old to use it by the time it wears out.

Regardless how well built and how safe the operational margins are, I would still want the warm-fuzzy feeling of having a spare tube on hand... One that I had personally tested and knew was good and rotate it every couple years. That spare tube will never be worth less than what it will cost you right now. (my 2¢ worth).

73 - Bill - WB9FOP
PG-17-7792 (ex P1-17-11478)
Retired - clutch in and coasting

6425. Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-27 18:28:47 UTC
From: Jim
Topic: 6417 Message: 6425

Am I correct that running the 1000 or 1010 at less than 80% or so creates more heat because of the Class shift? Seems to me running a beauty like this at 400 or 600 watts is like driving a Ferrari around town in heavy traffic in 4th gear...

Jim

6426. Re: [acom-list] Re: ACOM 1010 Fan Mod - Tube too hot, 240 degrees

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-27 18:48:41 UTC
From: brian
Topic: 6417 Message: 6426

Maybe so but this is how Vine electronics tests GU74B tubes. They test
them at the 400 W level.

If the tube bias is unchanged, I doubt that the operating point is
changed from 400-700 watts. Gosh it's been a long time since I had to
"recall" anything about tubes.

All bets are off if the unit has "electronic bias control".

73 de Brian/K3KO

On 3/27/2015 18:28 PM, Jim jamesnoland42@... [acom-list] wrote:
> Am I correct that running the 1000 or 1010 at less than 80% or so creates more heat because of the Class shift? Seems to me running a beauty like this at 400 or 600 watts is like driving a Ferrari around town in heavy traffic in 4th gear...
>
> Jim
>
> ------------------------------------
> Posted by: Jim <jamesnoland42@...>
> ------------------------------------
>
>
> ------------------------------------
>
> Yahoo Groups Links
>
>
>
>
>
>
> -----
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5856 / Virus Database: 4315/9393 - Release Date: 03/27/15
>
>

6427. Acom 2000A Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-27 23:31:09 UTC
From: W1JCW
Topic: 6427 Message: 6427

The amp was warming up fine for the contest made a few contacts then it shut down on the RCU with this msg.

I disconnected the main breaker hope it would start back up but no go. It will start warm up again but shut back down.

Any ideas before the contest starts ??

Thanks

73-

W1JCW

John

6428. Re: [acom-list] Acom 2000A Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-27 23:45:19 UTC
From: Richard Zalewski
Topic: 6427 Message: 6428

C2 On low voltage board

On Fri, Mar 27, 2015 at 4:31 PM, W1JCW w1jcw@hotmail.com [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> The amp was warming up fine for the contest made a few contacts then it
> shut down on the RCU with this msg.
>
>
>
> I disconnected the main breaker hope it would start back up but no go. It
> will start warm up again but shut back down.
>
>
>
> Any ideas before the contest starts ??
>
>
>
> Thanks
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>

--
Tnx es 73
Richard W7ZR
www.w7zr.com

Be joyful in hope, patient in affliction, faithful in prayer

6429. Acom 2000A Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 01:09:22 UTC
From: W1JCW
Topic: 6427 Message: 6429

I cycled power a few times and now it's up.

I'll keep your suggestion in mind

73-

W1JCW

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Friday, March 27, 2015 6:45 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A Bias too Low at power on -0v

C2 On low voltage board

On Fri, Mar 27, 2015 at 4:31 PM, W1JCW w1jcw@... [acom-list] <acom-list@yahoogroups.com> wrote:

The amp was warming up fine for the contest made a few contacts then it shut down on the RCU with this msg.

I disconnected the main breaker hope it would start back up but no go. It will start warm up again but shut back down.

Any ideas before the contest starts ??

Thanks

73-

W1JCW

John

--

Tnx es 73
Richard W7ZR
www.w7zr.com <http://www.w7zr.com/>

Be joyful in hope, patient in affliction, faithful in prayer

[Non-text portions of this message have been removed]

6430. Re: Acom 2000A Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 13:08:36 UTC
From: k2cb@...
Topic: 6427 Message: 6430

One of the tubes is beginning to short. Initially you will find that the tube will intermittently short, and you will get a few more hours out of it, then eventually it will short at every start up. They short once the heater warms up, usually just before the 150 second warmup period ends. You can monitor the bias voltage and watch it drop down just before the amp faults.

Usually when the cap goes, it will fail at every startup, and the bias voltage will be low immediately at startup.

I've recently worked on two A2000s with this same scenario. Both had approximately 4000 hours on the tubes.

Unfortunately, as the fleet of A2000 amps gets older, I suspect we will be seeing more of these failures in the future.

Eric
K2CB

6431. RE: [acom-list] Re: Acom 2000A Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 15:12:24 UTC
From: K2LS
Topic: 6427 Message: 6431

I had the same problem last year. I sent to Array Solutions and the did a great job with fast turnaround. Two new tubes and new cap in bias supply.

Amp now as good as new.

73, Larry K2LS

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 28, 2015 9:09 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A Bias too Low at power on -0v

One of the tubes is beginning to short. Initially you will find that the tube will intermittently short, and you will get a few more hours out of it, then eventually it will short at every start up. They short once the heater warms up, usually just before the 150 second warmup period ends. You can monitor the bias voltage and watch it drop down just before the amp faults.

Usually when the cap goes, it will fail at every startup, and the bias voltage will be low immediately at startup.

I've recently worked on two A2000s with this same scenario. Both had approximately 4000 hours on the tubes.

Unfortunately, as the fleet of A2000 amps gets older, I suspect we will be seeing more of these failures in the future.

Eric
K2CB

[Non-text portions of this message have been removed]

6432. Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 18:27:08 UTC
From: garfieldbill700@...
Topic: 6432 Message: 6432

Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.

Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.

Thanks
73 - Bill - WB9FOP
PG17-7792 (Ex P1-17-11478)
Retired, clutch in and coasting

6433. Re: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 18:36:32 UTC
From: Dave
Topic: 6432 Message: 6433

I ordered a spare pair from Vine last year. Fast shipping and just about $600 total shipped. Vine tests and matches the tubes based upon several grid current test points.

Not sure how Array Solutions does match testing. Maybe a rep from their company can say.

Dave
wo2x

Sent from my tin can & waxed string!

> On Mar 28, 2015, at 2:27 PM, garfieldbill700@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.
>
> Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.
>
> Thanks
> 73 - Bill - WB9FOP
> PG17-7792 (Ex P1-17-11478)
> Retired, clutch in and coasting
>
>
>
>

6434. RE: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 18:38:34 UTC
From: Máximo EA1DDO_HK1H
Topic: 6432 Message: 6434

http://www.ur4ll.net/#pentodes

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 28 Mar 2015 11:27:08 -0700
Subject: [acom-list] Sources for GU74B Tubes?

Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.

Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.

Thanks
73 - Bill - WB9FOP
PG17-7792 (Ex P1-17-11478)
Retired, clutch in and coasting

6435. RE: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 19:14:17 UTC
From: Joel
Topic: 6432 Message: 6435

Buy the GU74 from Vine Antennas. Joel, K2QBV

To: acom-list@...m
From: acom-list@yahoogroups.com
Date: Sat, 28 Mar 2015 14:36:32 -0400
Subject: Re: [acom-list] Sources for GU74B Tubes?

I ordered a spare pair from Vine last year. Fast shipping and just about $600 total shipped. Vine tests and matches the tubes based upon several grid current test points. Not sure how Array Solutions does match testing. Maybe a rep from their company can say. Davewo2x

Sent from my tin can & waxed string!
On Mar 28, 2015, at 2:27 PM, garfieldbill700@... [acom-list] <acom-list@yahoogroups.com> wrote:

Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.

Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.

Thanks
73 - Bill - WB9FOP
PG17-7792 (Ex P1-17-11478)
Retired, clutch in and coasting

6436. RE: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-28 19:24:40 UTC
From: Doug W0WSP
Topic: 6432 Message: 6436

Take a look at their reviews on e-ham.net.

W0WSP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 28, 2015 1:27 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Sources for GU74B Tubes?

Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.

Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.

Thanks
73 - Bill - WB9FOP
PG17-7792 (Ex P1-17-11478)
Retired, clutch in and coasting

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

6437. RE: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 02:45:15 UTC
From: garfieldbill700@...
Topic: 6432 Message: 6437

I think they'd need some kind of a bench test jig for matching, although I've been told that tubes with the same date code are also considered "matched". As far as swapping singles in the 1000 and 1010 I haven't heard of anyone having to readjust the idle bias current.

A friend said he'd gotten good service from QRO-Parts and they are $130 less for singles ($219) - saw only one mention of them on eHam.Net but it was favorable so am tempted to give them a try. It's only $$ right?

6438. Re: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 06:21:41 UTC
From: Hans Remeeus
Topic: 6432 Message: 6438

I agree with Joel. IMHO Vine is a very reliable company where you can
buy the GU74b.

Perhaps cheaper but perhaps with some more risks for the buyer, e.g. is
Boris UA1CCE. He sells GU74b and other tubes.
http://forums.qrz.com/attachment.php?attachmentid=200804&d=1411647897&thumb=1
His source is in Russia and he posts them from Finland. His address is
on qrz.com.I have no commercial or whatever relation to him.

Others may have different opinions...

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Joel k2qbv@... [acom-list] schreef op 28-3-2015 om 20:14:
>
>
> Buy the GU74 from Vine Antennas. Joel, K2QBV
>
> ---
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Sat, 28 Mar 2015 14:36:32 -0400
> Subject: Re: [acom-list] Sources for GU74B Tubes?
>
> I ordered a spare pair from Vine last year. Fast shipping and just
> about $600 total shipped. Vine tests and matches the tubes based upon
> several grid current test points.
>
> Not sure how Array Solutions does match testing. Maybe a rep from
> their company can say.
>
> Dave
> wo2x
>
> Sent from my tin can & waxed string!
>
> On Mar 28, 2015, at 2:27 PM, garfieldbill700@...
> <mailto:garfieldbill700@...> [acom-list]
> <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>> wrote:
>

> Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see
> they have them for $219 (singles) + $44 ship.
>
> Of course A/S has them for $600 in pairs or $350 singles - just
> curious if anyone had ever tried QRO-Parts and what sort of luck
> they'd had.
>
> Thanks
> 73 - Bill - WB9FOP
> PG17-7792 (Ex P1-17-11478)
> Retired, clutch in and coasting
>
>
>
>
>
>
>
>

6439. Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 08:32:33 UTC
From: on4ct@...
Topic: 6432 Message: 6439

another source for nos gu74b tubes

is Tubes from the fair person... http://www.oootubesooo.com

Tubes from the fair person... http://www.oootubesooo.com

View on www.oootubesooo.com http://www.oootubesooo.com
Preview by Yahoo

Go to catalogue on tubes page 1 you will find the gu74b listed at 80 Euro now + shipping.
Payment is possible via a German account.

I have ordered tubes form him and had no problems what so ever with this him.

all tubes where ok and after burning in all ok. the tubes are all military types.

73
Dirk

6440. Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 10:35:26 UTC
From: f1umo@...
Topic: 6432 Message: 6440

Hello you have the opportunity to obtain a loan GU74B employment with the OM the tube degassed and are paired with the curve plotted for each tube .I me even replaced my GU74B Acom1000 by a tube provided by ON4LAJ is no problem 73 Jean Pierre F1UMO
ON4LAJ WEB site - le reconditionnement du GU74B. http://www.qsl.net/on4laj/

http://www.qsl.net/on4laj/

ON4LAJ WEB site - le reconditionnement du GU74B. http://www.qsl.net/on4laj/ Le reconditionnement (la regeneration) du tube GU74B et la creation de matched pairs of GU74B.

View on www.qsl.net http://www.qsl.net/on4laj/
Preview by Yahoo

6441. RE: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 12:40:18 UTC
From: fredch@...
Topic: 6432 Message: 6441

I have dealt with Victor UR7GG a couple of times, face to face at the Friedrichshafen Hamfest. He comes there every year selling tubes so is a straight dealer or he would not survive! He does match and "burn in" his GU74s.

ur7gg@ukr.net

LY2MQ is another regular FDH vendor but I have not bought from him sauliusly2mq@gmail.com

Saulius.MoiFoto.ru

I have known Ron at Vine for many years and would highly recommend him as a very straight person to deal with

73 Fred
G4BWP

---In acom-list@yahoogroups.com, <ea1ddo@...> wrote :

http://www.ur4ll.net/#pentodes
http://www.ur4ll.net/#pentodeshttp://www.ur4ll.net/#pentodes
http://www.ur4ll.net/#pentodes

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sat, 28 Mar 2015 11:27:08 -0700
Subject: [acom-list] Sources for GU74B Tubes?

Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.

Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.

Thanks
73 - Bill - WB9FOP
PG17-7792 (Ex P1-17-11478)
Retired, clutch in and coasting

6442. RE: [acom-list] REAL source for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 12:52:35 UTC
From: Joel
Topic: 6432 Message: 6442

Regarding the GU74B, JUST GO TO THE SOURCE at Vine Antennas. On Ron's page you can find the testing system he has developed to test the GU74 tubes. Why would you go somewhere else. After all the money one has spend for these expensive amplifiers, dip down a little more and do the right thing. Over the last few years I have helped Vine sell a lot of these tubes and people are satisfied or received a replacement. In addition, he is easy to work with and on top of it all "a stand up guy". Google Vine Antennas in the UK.

Joel, K2QBV

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 29 Mar 2015 08:21:41 +0200
Subject: Re: [acom-list] Sources for GU74B Tubes?

I agree with Joel. IMHO Vine is a very reliable company where you
can buy the GU74b.

Perhaps cheaper but perhaps with some more risks for the buyer,
e.g. is Boris UA1CCE. He sells GU74b and other tubes.
http://forums.qrz.com/attachment.php?attachmentid=200804&d=1411647897&thumb=1
His source is in Russia and he posts them from Finland. His address is on qrz.com. I have no commercial or
whatever relation to him.

Others may have different opinions...

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Joel k2qbv@hotmail.com [acom-list]
schreef op 28-3-2015 om 20:14:

Buy the GU74 from Vine Antennas. Joel, K2QBV

To: acom-list@yahoogroups.com

From: acom-list@yahoogroups.com

Date: Sat, 28 Mar 2015 14:36:32 -0400

Subject: Re: [acom-list] Sources for GU74B Tubes?

I ordered a spare pair from Vine last year. Fast shipping and just about $600 total shipped. Vine tests and matches the tubes based upon several grid current test points.

Not sure how Array Solutions does match testing. Maybe a rep from their company can say.

Dave
wo2x

Sent from my tin can & waxed string!

On Mar 28, 2015, at 2:27 PM, garfieldbill700@yahoo.com [acom-list] <acom-list@yahoogroups.com> wrote:

Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have them for $219 (singles) + $44 ship.

Of course A/S has them for $600 in pairs or $350 singles - just curious if anyone had ever tried QRO-Parts and what sort of luck they'd had.

Thanks

73 - Bill - WB9FOP

PG17-7792 (Ex P1-17-11478)

Retired, clutch in and coasting

6443. RE: [acom-list] REAL source for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 13:10:51 UTC
From: Ira Neal
Topic: 6432 Message: 6443

Joel,
Thanks for the info. I am a newbie to a computer, nice to know info.
73
Gary ke4ex
On Mar 29, 2015 8:53 AM, "Joel k2qbv@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> *Regarding the GU74B, JUST GO TO THE SOURCE at Vine Antennas. On Ron's
> page you can find the testing system he has developed to test the GU74
> tubes. Why would you go somewhere else. After all the money one has spend
> for these expensive amplifiers, dip down a little more and do the right
> thing. Over the last few years I have helped Vine sell a lot of these tubes
> and people are satisfied or received a replacement. In addition, he is easy
> to work with and on top of it all "a stand up guy". Google Vine Antennas
> in the UK.*
>
> *Joel, K2QBV*
>
>
> ------------------------------
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Sun, 29 Mar 2015 08:21:41 +0200
> Subject: Re: [acom-list] Sources for GU74B Tubes?
>
>
>
> I agree with Joel. IMHO Vine is a very reliable company where you can buy
> the GU74b.
>
> Perhaps cheaper but perhaps with some more risks for the buyer, e.g. is
> Boris UA1CCE. He sells GU74b and other tubes.
> http://forums.qrz.com/attachment.php?attachmentid=200804&d=1411647897&thumb=1 His
> source is in Russia and he posts them from Finland. His address is on
> qrz.com. I have no commercial or whatever relation to him.
>
> Others may have different opinions...
>
> 73, Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nl

> Communication is about people, the rest is technology.
>
> Joel k2qbv@... [acom-list] schreef op 28-3-2015 om 20:14:
>
> Buy the GU74 from Vine Antennas. Joel, K2QBV
>
> ------------------------------
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Sat, 28 Mar 2015 14:36:32 -0400
> Subject: Re: [acom-list] Sources for GU74B Tubes?
>
>
> I ordered a spare pair from Vine last year. Fast shipping and just about
> $600 total shipped. Vine tests and matches the tubes based upon several
> grid current test points.
>
> Not sure how Array Solutions does match testing. Maybe a rep from their
> company can say.
>
> Dave
> wo2x
>
> Sent from my tin can & waxed string!
>
> On Mar 28, 2015, at 2:27 PM, garfieldbill700@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>
>
> Has anyone ever purchased GU74B tube(s) from QRO-Parts?. I see they have
> them for $219 (singles) + $44 ship.
>
> Of course A/S has them for $600 in pairs or $350 singles - just curious if
> anyone had ever tried QRO-Parts and what sort of luck they'd had.
>
> Thanks
> 73 - Bill - WB9FOP
> PG17-7792 (Ex P1-17-11478)
> Retired, clutch in and coasting
>
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6444. RE: [acom-list] Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 14:11:18 UTC
From: d48806
Topic: 6432 Message: 6444

What is an "exact quality copy" GU74B ?? Also, no indication of testing.
Very risky!!

Jay KV7AC

6445. Re: Acom 2000A Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 17:46:10 UTC
From: Jim
Topic: 6427 Message: 6445

Vine testing them at that level makes sense....a stress test as it were. I too, need to go back and read about Class A and AB shifts..HI !

Jim

6446. Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 18:46:36 UTC
From: Jim Howard
Topic: 6432 Message: 6446

I am very happy with my Acom 1000. I purchased a spare tube to have on hand on advice from a ham friend locally. The tube came from Russia via Registered Mail and was “only” $155.34 including shipping. It’s comforting to have one on hand. When my warranty is up I will install this tube and keep the original tube for the spare. I am not worrying about a matching pair with a single tube amplifier.

http://rutubes.com/product/gu74b-4cx800a-tube/
<http://rutubes.com/product/gu74b-4cx800a-tube/>
http://rutubes.com/product/gu74b-4cx800a-tube/
<http://rutubes.com/product/gu74b-4cx800a-tube/>

73,

Jim, W4SDJ

6447. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-29 21:49:07 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6447

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /ACOM 1010 Tube Replacement.pdf
Uploaded by : garfieldbill700 <garfieldbill700@...>
Description : Acom 1010 Tube Replacement instructions

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/ACOM%201010%20Tube%20Replacement.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

garfieldbill700 <garfieldbill700@...>

6448. Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-30 02:23:44 UTC
From: Don Kasten
Topic: 6432 Message: 6448

Given the bias scheme of the 2000A, why would a "matched" pair of GU74B tubes be necessary?

Don
N4DK

6449. Re: [acom-list] Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-30 02:28:39 UTC
From: Dave
Topic: 6432 Message: 6449

The bias is measured for both tubes together. Why would you want one
tube pulling more current than the other?

Dave
wo2x

On 3/29/2015 10:23 PM, 'Don Kasten' n4dk@... [acom-list] wrote:
>
> Given the bias scheme of the 2000A, why would a "matched" pair of
> GU74B tubes be necessary?
> Don
> N4DK
>

6450. Re: GU84b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-30 17:59:17 UTC
From: Jay Terleski
Topic: 6450 Message: 6450

Test procedure at Array Solutions, since you asked this very valid question, this is not meant to be a commercial.

The tubes we sell are tested as follows:

Before we get them they are first checked at supplier in Russia: They supply only NOS tubes, not pulls.
Date codes can go back to the 90s. But they say that every 5 years or so the military stock is tested for emission, shorts, etc. So some of these tubes will show tooling marks as they are inserted into sockets, etc. But they are NOS.

1. Hi-Pot testing of elements for shorts
2. Burn in Filaments (No HV on Plate or screen) for 8 hours
3. Then Apply HV and tested for:
a. Plate idle current
b. Plate current under load approx 300ma and logged with same input, grid current as well.
c. Power output

Shipped to Array Solutions and retested on our Gu84b tube tester: A converted 1010 amplifier.

We test again for idle current, plate current, input power noting output power and
temperature. Temperature is measured after tube is run at approx 450W for a minuet when the temperature stabilizes.

This gives us the ability to easily confirm operation and mate up matched sets.

I hope that clarifies the Gu84b testing of our tubes.

One other point some of you probably know, the green strip on the fins is temperature sensitive paint. It will turn very brownish if the tube was over exposed to high temperatures. Never buy one that has brownish looking stripe.

Jay, WX0B

Jay Terleski
Array Solutions
214 954 7140

6451. Re: [acom-list] Re: GU84b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-30 18:11:02 UTC
From: Dave
Topic: 6450 Message: 6451

Thanks Jay.

That helps people make an informed choice.

Dave
wo2x

Sent from my tin can & waxed string!

> On Mar 30, 2015, at 1:59 PM, Jay Terleski jayt@... [acom-list]
<acom-list@yahoogroups.com> wrote:
>
> Test procedure at Array Solutions, since you asked this very valid question, this is not meant to be a commercial.
>
> The tubes we sell are tested as follows:
>
> Before we get them they are first checked at supplier in Russia: They supply only NOS tubes, not pulls.
> Date codes can go back to the 90s. But they say that every 5 years or so the military stock is tested for emission, shorts, etc. So some of these tubes will show tooling marks as they are inserted into sockets, etc. But they are NOS.
>
> 1. Hi-Pot testing of elements for shorts
> 2. Burn in Filaments (No HV on Plate or screen) for 8 hours
> 3. Then Apply HV and tested for:
> a. Plate idle current
> b. Plate current under load approx 300ma and logged with same input, grid current as well.
> c. Power output
>
> Shipped to Array Solutions and retested on our Gu84b tube tester: A converted 1010 amplifier.
>
> We test again for idle current, plate current, input power noting output power and
> temperature. Temperature is measured after tube is run at approx 450W for a minuet when the temperature stabilizes.
>
> This gives us the ability to easily confirm operation and mate up matched sets.
>
> I hope that clarifies the Gu84b testing of our tubes.
>
> One other point some of you probably know, the green strip on the fins is temperature sensitive paint. It will turn very brownish if the tube was over exposed to high temperatures. Never buy one that has brownish looking stripe.
>

> Jay, WX0B
>
> Jay Terleski
> Array Solutions
> 214 954 7140
>
>

6453. Re: GU84b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-31 11:14:46 UTC
From: Eric Fowler
Topic: 6450 Message: 6453

Interesting discussion. As an Acom 2000A owner and experienced eBay user, I'd like to offer my perspective. My amplifier requires a matched pair of tubes. Finding them from a bulk seller of untested tubes from Russia or Ukraine would be hit or miss. I might get lucky and get two usable pairs out of a group of 10. But I would have to worry how well the seller packs them, how poorly the shipper handles them, and if Customs handles and repackages them properly before handing them back over to the gorillas at the shipping company. Import duties are another consideration.

Once they arrive, I have at most 30 days, depending on the seller's terms, to test the entire batch in the fixture I would have to build while the tubes were crossing the pond. Any defects would have to be returned at my expense within that window to quality for an exchange or refund.

If my testing reveals no matches, I have to order another batch and start the process anew. If I find one pair for myself, I still have the remainder of the unmatched tubes to sell on eBay, competing with the same Eastern European sellers I purchased from. Only if I have the luck to match two sets does the deal become even remotely attractive, since I can sell a tested, NOS matched pair at a price just under what the "high-tier" sellers charge their "Gucci" clientele.

But how much time and effort have I invested? How much did I pay to build the test fixture? I'm sure I don't have every part needed in my junk box.

As a two-hole customer, I fell the testing services and warranty a reputable reseller provides represent a good value. They do the importing and testing, they eat the cost of defective product, they assume the warranty risk. In return for compensating them for their efforts, I receive a pair of tubes I can trust, with minimal hassle.

Eric / WV3E

6454. Re: [acom-list] Re: GU84b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-31 12:50:14 UTC
From: briana
Topic: 6450 Message: 6454

Guys,

Having gone through the tube replacement process on an ACOM1000. I'd like to supply some actual experience with these NOS tubes. This experience was several years ago and may not reflect today.

1) DOA is only part of the problem. They have to have sufficient gain.
2) Testing by the supplier was done at the 400 watt level. The ACOM1000 is a single tube 1KW rig

Here's what I recall.

I dealt with a reliable supplier (one of the ones mentioned in this thread)who tests the tubes. It took 3 returns to finally get a GU74B which would put out even close to 1000 W. All the bias levels of all tubes were adjusted in accordance with ACOM1000 specs. Despite this only one of the 4 tubes was capable of putting out more than 700 watts. The worst did only 600 watts. It was noted that the bias adjustments between tubes was substantially different. The one good tube supplied was tested at the supplier in an ACOM1000 (not the ACOM 1010) before shipment. Contrary to the comments below, the supplier indicated that they were getting a large fraction of NOS tubes that flunked testing. They were not DOA but simply out of spec.

I can't comment on the manufacturer or their quality control, but my experience indicated substantial NOS tube to tube variations in performance.

It took several months to finally get one good tube. Tube replacement in the 1000 is a bit more difficult that simply pulling out the old and plugging in the new. So that was an aggravation too.

YMMV
73 de Brian/K3KO

On 3/30/2015 9:33 PM, garfieldbill700@... [acom-list] wrote:
>
>
> Thanks Jay. - very interesting.
>
> It's nice to know what all these tubes (assume you meant GU-74B) being
> sold at retail prices have to go through in the process of being
> vetted, but when I can go online and buy 4 untested ones for the price
> of 2 tested ones it makes me feel a little like I'm getting taken
> advantage of. The problem for high-tier resellers catering to Gucci
> clientele is no one is reporting any pattern of failures with the
> untested ones coming from the grey market. Understandably that makes

> me question whether the value added is really justifiable,
> particularly in my own case where my amplifier uses only 1 of them.
>
> With all the many protections built-in to the amplifier, even the
> 1010, I'm also not as inclined to worry about the chance of a shorted
> tube. Even with the tested ones there is still going to be some
> incremental risk of a catastrophic failure & how do we quantify that
> on the basis of tested vs untested? Testing will catch 100% of the
> ones that are DOA, but there again I haven't read of any actual cases
> where a grey market reseller has had any significant history of bad
> product.. They were all made by Svetlana in the same factory and
> underwent the same factory-internal testing during the production
> years. What I am awe-stricken by is the sheer volume of them that are
> still available in spite of Alpha's claims to the contrary.and others'
> attempts to corner the market
>
> Several of the eBay sellers even go the extra mile of offering a
> refund if defective. Another is offering them in lots of 10. - Is it
> possible some resellers are in the tube shortage business more than
> they are in the tube business?
>
> I will most certainly buy at least 1 spare GU-74B from someone. But
> even if I buy a tested one from Array Solutions, I'm still going to
> immediately install it when it arrives if for no other reason than to
> vet it myself just to get that warm fuzzy feeling of knowing for
> certain that the one in the box is no less dependable than the one
> currently in service. Aside from the several hours for gettering, the
> replacement process itself, even resetting the bias, can't possibly
> amount to more than 15~20 minutes work and some
> conscientiously-applied common sense safety practices. . .
>
> Boxing up the amp and sending it off for a simple tube replacement
> comes with its own set of fears. Though my 1010 arrived in the usual 3
> cartons, it had been so terribly mistreated in shipping that even the
> 2nd box had a crushed corner.and the outside box was so battered as to
> be beyond salvage (we have pictures). How many customersreally know
> how to correctly pack a heavy, bulky, but fragile item for safe
> shipment? Asking these to come back for a tube swap seems like almost
> as great or greater risk of damage than the risk of providing the
> customer with proper instructions to do it themselves. .- just my 2? worth
>
> 73 - Bill - WB9FOP
>
>
>
> ---In acom-list@yahoogroups.com, <jayt@...> wrote :
>
> Test procedure at Array Solutions, since you asked this very valid
> question, this is not meant to be a commercial.
>

> The tubes we sell are tested as follows:
>
> Before we get them they are first checked at supplier in Russia: They
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> so the military stock is tested for emission, shorts, etc. So some of
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> etc. But they are NOS.
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> 2. Burn in Filaments (No HV on Plate or screen) for 8 hours
> 3. Then Apply HV and tested for:
> a. Plate idle current
> b. Plate current under load approx 300ma and logged with same input,
> grid current as well.
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>
> Shipped to Array Solutions and retested on our Gu84b tube tester: A
> converted 1010 amplifier.
>
> We test again for idle current, plate current, input power noting
> output power and
> temperature. Temperature is measured after tube is run at approx 450W
> for a minuet when the temperature stabilizes.
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> This gives us the ability to easily confirm operation and mate up
> matched sets.
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> I hope that clarifies the Gu84b testing of our tubes.
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> One other point some of you probably know, the green strip on the fins
> is temperature sensitive paint. It will turn very brownish if the tube
> was over exposed to high temperatures. Never buy one that has brownish
> looking stripe.
>
> Jay, WX0B
>
> Jay Terleski
> Array Solutions
> 214 954 7140
>
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>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2012.0.2250 / Virus Database: 4311/8914 - Release Date: 03/30/15
>

6455. Re: [acom-list] Re: GU84b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-31 12:24:48 UTC
From: Barry N1EU
Topic: 6450 Message: 6455

FWIW, I bought a slew of tubes from Eastern Europe a few years back and had only good results.

Barry N1EU

On Tue, Mar 31, 2015 at 8:50 AM, briana alsopb@... [acom-list] <acom-list@yahoogroups.com> wrote:

> Guys,
>
> Having gone through the tube replacement process on an ACOM1000. I'd like to supply some actual experience with these NOS tubes. This experience was several years ago and may not reflect today.
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> 1) DOA is only part of the problem. They have to have sufficient gain.
> 2) Testing by the supplier was done at the 400 watt level. The ACOM1000 is a single tube 1KW rig
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> 73 de Brian/K3KO
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> >
> > Thanks Jay. - very interesting.
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> > particularly in my own case where my amplifier uses only 1 of them.
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> > on the basis of tested vs untested? Testing will catch 100% of the
> > ones that are DOA, but there again I haven't read of any actual cases
> > where a grey market reseller has had any significant history of bad
> > product.. They were all made by Svetlana in the same factory and
> > underwent the same factory-internal testing during the production
> > years. What I am awe-stricken by is the sheer volume of them that are
> > still available in spite of Alpha's claims to the contrary.and others'
> > attempts to corner the market
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> > refund if defective. Another is offering them in lots of 10. - Is it
> > possible some resellers are in the tube shortage business more than
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> >
> > I will most certainly buy at least 1 spare GU-74B from someone. But
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> > certain that the one in the box is no less dependable than the one
> > currently in service. Aside from the several hours for gettering, the
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> > conscientiously-applied common sense safety practices. . .
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> > be beyond salvage (we have pictures). How many customersreally know
> > how to correctly pack a heavy, bulky, but fragile item for safe
> > shipment? Asking these to come back for a tube swap seems like almost
> > as great or greater risk of damage than the risk of providing the
> > customer with proper instructions to do it themselves. .- just my 2¢

> worth
> >
> > 73 - Bill - WB9FOP
> >
> >
> >
> > ---In acom-list@yahoogroups.com, <jayt@...> wrote :
> >
> > Test procedure at Array Solutions, since you asked this very valid
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> >
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> > Before we get them they are first checked at supplier in Russia: They
> > supply only NOS tubes, not pulls.
> > Date codes can go back to the 90s. But they say that every 5 years or
> > so the military stock is tested for emission, shorts, etc. So some of
> > these tubes will show tooling marks as they are inserted into sockets,
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> > Shipped to Array Solutions and retested on our Gu84b tube tester: A
> > converted 1010 amplifier.
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> > temperature. Temperature is measured after tube is run at approx 450W
> > for a minuet when the temperature stabilizes.
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> > I hope that clarifies the Gu84b testing of our tubes.
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> > is temperature sensitive paint. It will turn very brownish if the tube
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> >
> > Jay, WX0B
> >
> > Jay Terleski
> > Array Solutions

> > 214 954 7140
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> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>
> > Version: 2012.0.2250 / Virus Database: 4311/8914 - Release Date: 03/30/15
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> Yahoo Groups Links
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6456. Re: GU74b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-31 12:39:57 UTC
From: Jay Terleski
Topic: 6456 Message: 6456

Yes, I typed Gu84b instead of Gu74b. Thanks.

2. Bill we do not recommend amps come back to us for tube replacement. We have helped many hams replace and recalibrate the bias over the phone and also supplying the procedure. I think you are referring to the manual. But that is a CYA statement for ACOM if you ask me, just my opinion.

3. These tubes are very much available. Do what you feel is best. 4 tubes for $300 seems very attractive. Only one I found at that price level on EBay was $70 shipping was extra, but it was used. Most are at the $150 level today.

Regards to the group.
Jay, WX0B

Jay Terleski
Array Solutions
214 954 7140

6457. Acom 1010 - Healthy Tube Regime & Protection Parameters?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-31 15:40:06 UTC
From: garfieldbill700@...
Topic: 6457 Message: 6457

I see in the Files area a document for the '1000' that provides some excellent information in regard to Protection Parameters and Healthy Tube Regime Parameters. Unfortunately the information seems to be all Acom-1000 specific.

Where might one locate similar document(s) specific to the 1010 ?

If a similar document does not exist, could we prevail upon Acom to develop and provide same?

Seems the more I learn about this great amplifier, the greater my desire for more in-depth info. Yes, I realize that sometimes information can be dangerous. I also realize that the 1010 lacks many of the sophistications of the 1000, but the mere mention of the temperature-controlled fan piqued my interest, suggesting that certain tube temperature parameters might actually be of some concern to its designers.

I.E., irrespective of power output, if the fan in the 1000 automatically speeds up above 90C, and the Protection System raises a 'warning' flag at 130C and subsequently forces the amp into 'standby' at 150C... then someone please help me fathom the decision to significantly lower the fan speed in the 1010 for the sake of a 5 db reduction in ambient noise. That seems inconsistent with good engineering practice as well as justification for jumpering R35A (33 Ω) in the fan circuit.

Thanks in advance!

73 - Bill - WB9FOP

6458. Re: [acom-list] Re: GU84b Testing

Yahoo group: acom-list (2010 — 2016)
Date: 2015-03-31 18:43:00 UTC
From: garfieldbill700@...
Topic: 6450 Message: 6458

Thanks Barry.

Your results seem to mirror the results of others. I see no one on eHam.net or QRZ.com forums reporting any pattern of problems with NOS GU74B tubes regardless where they're finding them, so the fallout rate seems low enough to warrant taking a chance. I guess I'll find out, as I have one en-route, coming from QRO-Parts, supposedly Russian source but shipping from Sweden.

73 - Bill - WB9FOP

6459. Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-02 01:51:58 UTC
From: regor60@...
Topic: 6432 Message: 6459

Thank you.

Most of these responses have been lessons in received knowledge.

Buy them from wherever you want as I have done without regret

6460. C2 On low voltage board Bias too Low at power on -0v

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-02 03:09:49 UTC
From: W1JCW
Topic: 6460 Message: 6460

Well the amp held up for the entire contest and kicked butt as usual.

How hard is it to get at this cap C2 on the low voltage board? Where is the low voltage board located ?

What is the value of the cap so that I may find a replacement and swap this out ?

I got a spare set of tubes when I purchased the amp so I good there.

I'll call Jay and get the setup for new tubes.

Thanks for all the replies.

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Friday, March 27, 2015 6:45 PM
To: acom-list@yahoogroups.com
Subject: C2 On low voltage board Bias too Low at power on -0v

C2 On low voltage board

On Fri, Mar 27, 2015 at 4:31 PM, W1JCW w1jcw@... <mailto:w1jcw@...> [acom-list] <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com> > wrote:

The amp was warming up fine for the contest made a few contacts then it shut down on the RCU with this msg.

I disconnected the main breaker hope it would start back up but no go. It will start warm up again but shut back down.

Any ideas before the contest starts ??

Thanks

73-

W1JCW

John

--

Tnx es 73
Richard W7ZR
www.w7zr.com <http://www.w7zr.com/>

Be joyful in hope, patient in affliction, faithful in prayer

6461. ACOM-1K tuning

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-03 08:35:28 UTC
From: Skip Guenter
Topic: 6461 Message: 6461

Which direction on the TRI indicates less capacitance (over coupling)
and which more capacitance (under couplng)?

--
S. R. 'Skip' Guenter, K5SRG/
/

6462. Re: [acom-list] ACOM-1K tuning

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-03 11:51:03 UTC
From: Mike Harris
Topic: 6461 Message: 6462

You can work it out from the scale around the tune and load knobs. Max is max capacitance.

If the TRI indicator is left of centre you turn the load control clockwise, increasing capacitance. If the TRI indicator is right of centre you turn the load control anticlockwise, decreasing capacitance.

Regards,

Mike VP8NO

On 03/04/2015 05:35, Skip Guenter sguenter@... [acom-list] wrote:
> Which direction on the TRI indicates less capacitance (over coupling)
> and which more capacitance (under couplng)?
>

6463. Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-03 12:39:26 UTC
From: d48806
Topic: 6463 Message: 6463

On the LOADING control, over-coupling is CW (right, less capacitance), under-coupling is CCW (left, more capacitance).

According to the superb W8JI website discussion on "Loading and Tuning Linear Amplifiers", if there is to be an error in tuning, it should be CW (over-coupling), as that results in lower screen current and better linearity. Apparently, under-coupling is bad news.

As a side issue, the "Protection Parameters and Healthy-Tube Regime" document from this website is very helpful:

http://www.gmdx.org.uk/page-1671106

Jay KV7AC

6464. Re: [acom-list] ACOM-1K tuning

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 02:27:42 UTC
From: sguenter@...
Topic: 6461 Message: 6464

Totally missed the "Min" and "Max" on the LOAD control. Duh. Thanx.

6465. Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 02:29:02 UTC
From: sguenter@...
Topic: 6463 Message: 6465

Yea, I'm a 'follower' of W8JI... but you just said the dead opposite as the last guy as far as which is more or less capacitance on the LOAD control.

6467. Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 03:09:09 UTC
From: sguenter@...
Topic: 6463 Message: 6467

Lemme rephrase this since I suspect one person is using bottom half of scale and other is using top half of scale. Does the MAX position = fully engaged cap plates?

6468. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 11:52:09 UTC
From: Mike Harris
Topic: 6463 Message: 6468

Yes, MAX is MAX.

The reason I know this is that I've recently had the front panel off to replace the LCD module that had gone flaky. Part of putting the knobs back on is removing the RF deck cover and making sure that the cap plates were fully enmeshed when the the knobs are at MAX.

I have a table of typical T+L presets compiled when the amp was factory new sitting on the top of the amp for quick band changes and the settings only changed by a point or so after replacing the knobs.

The wrist action CW or CCW changes depending upon whether the upper or lower scale is used, I use the upper scale because the amp is desk mounted rather than shelf mounted.

Hope that helps.

Regards,

Mike VP8NO

On 04/04/2015 00:09, sguenter@... [acom-list] wrote:
> Lemme rephrase this since I suspect one person is using bottom half of scale and other is using top half of scale. Does the MAX position = fully engaged cap plates?
>

6469. Acom 1000 Front Panel LCD Module Replacement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 13:07:55 UTC
From: Mike Harris
Topic: 6463 Message: 6469

When not in use my mid 2006 vintage amp is always turned OFF at the rear panel.

My LCD started displaying the odd power block on the upper line power display. When the power indication subsequently swept over this stray it was erased when the power dropped to zero and all was normal. Eventually even more random blocks and other strange characters appeared when the rear panel power switch was turned on. In this state further activation of the ON/OFF switch on the front panel resulted in the display lighting up as normal but toggling a large block of rubbish characters on both upper and lower display lines from side to side at approx twice a second. The display was unusable.

When I raised this with the factory they confessed to having never seen this problem before. So if this is so hopefully most of you 1000 owners out there shouldn't either.

The infamous +5V supply was checked and found to be solid and without any ripple, the electrolytic caps looked good, no visible distortions, not cooked. My amp is mainly in standby as I usually search and pounce so seldom gets hot. Chimney temps normally 34C (22C room temp) resting and about 64C when running an RTTY pile at 700W or so. I fitted the optional cooling fan because of my RTTY and very occasional 6m EME JT65 operations. It was concluded that indeed there was an LCD problem. Occasionally on switch on all was normal so on the last occasion this happened I left the rear panel switch on until I received the replacement. Too many juicy DXpeds to chase.

It's not really a complicated job but one gotcha of the change out was that the power scale 0 - 1200W is not a detail of the LCD but rather a printed thin film which sits on the face of the LCD and held in place with a tiny dab of adhesive at the corners.

A bit tricky to transfer and align. It would have been much easier if:

a. The scale was preloaded on the replacement module.

or,

b. The scale was actually engraved on the inside of the plastic LCD cover fitted to the amp front panel.

Other than that no problem. With luck you will never have to do this.

Regards,

Mike VP8NO

6470. Re: Acom 1000 Front Panel LCD Module Replacement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 14:55:41 UTC
From: Bob Olschwang
Topic: 6463 Message: 6470

In regards to the 0-1200 watt scale, the model I purchased new in March, 2014 has the 0-1200 watt scale etched in white on to the front panel above the LCD with the rest of the numbers and letters on the panel, like the 1500 model. The power output bar is on the very top of the LCD, just below the etched panel numbers.

I also turn off the rear mains on/off switch when finished using the amp for the day. Upon turning the mains switch on, the fan very briefly activates and stops; the LCD briefly illuminates and then goes dark with only "Acom 1000" showing below the mid-LCD dashes. Upon hitting the front panel on/off switch, the fan activates and the LCD illuminates with the warm-up period count-down starting. I don't know if this is the same sequence of events as older versions of the 1000.

Sent from my iPad

6471. Re: [acom-list] Re: Acom 1000 Front Panel LCD Module Replacement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 16:46:39 UTC
From: Mike Harris
Topic: 6463 Message: 6471

Just had a look at the "Acom 1500" manual. I see the the change to the power scale. The printed numbers above the LCD are clearly a neat answer.

I wonder when the change over on the 1000 happened. It perhaps explains the lack of attached power scale on my replacement LCD.

With respect to switching the rear panel switch on. I can honestly say I have never noticed the brief fan run and will make a point to check next time. The LCD back light briefly illuminates, goes dark and ACOM 1000 is displayed on the bottom LCD row. The main start sequence is the same.

Personally I see little future in 1kW class tube amps. The continuing development of solid state HPA's has seen to that. My 1000 was purchased before the advent of the Acom 600S, of which we don't hear much or the Elecraft KPA500 (I run a K3). Both would suit my normal max power use. Not for me an OM Power 3500

Regards,

Mike VP8NO

On 04/04/2015 11:55, Bob Olschwang radiok7jq@... [acom-list] wrote:
> In regards to the 0-1200 watt scale, the model I purchased new in March, 2014 has the 0-1200 watt scale etched in white on to the front panel above the LCD with the rest of the numbers and letters on the panel, like the 1500 model. The power output bar is on the very top of the LCD, just below the etched panel numbers.
>
> I also turn off the rear mains on/off switch when finished using the amp for the day. Upon turning the mains switch on, the fan very briefly activates and stops; the LCD briefly illuminates and then goes dark with only "Acom 1000" showing below the mid-LCD dashes. Upon hitting the front panel on/off switch, the fan activates and the LCD illuminates with the warm-up period count-down starting. I don't know if this is the same sequence of events as older versions of the 1000.

6472. Early? Acom 1000 Start up

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 17:39:33 UTC
From: Mike Harris
Topic: 6472 Message: 6472

A bit of amp trivia.

Just checked and from a cold start, rear panel power switch OFF.
Switching rear panel switch ON, the blower does not pulse, LCD back
light briefly illuminates and ACOM 1000 is displayed on the lower info line.

Amp Firmware v4.1 Apr 05

Regards,

Mike VP8NO

6473. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 18:10:46 UTC
From: sguenter@...
Topic: 6463 Message: 6473

Thanx much... after looking again I suspected the reason I was getting CW and CCW for same thing was because of the upper / lower scale. Thanx for the confirm.

Skip - K5SRG

6474. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 18:28:51 UTC
From: d48806
Topic: 6463 Message: 6474

I have not had the cover off yet, but this is the information I got from Array Solutions:

"LOAD cap is fully meshed when positioned at zero (MIN). And TUNE is just the opposite, cap is fully meshed at maximum number (MAX)."

Jay KV7AC

6475. Re: [acom-list] Early? Acom 1000 Start up

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 21:51:17 UTC
From: Ira Neal
Topic: 6472 Message: 6475

How do you check for the firmware
On Apr 4, 2015 1:39 PM, "Mike Harris mike.harris@... [acom-list]"
<acom-list@yahoogroups.com> wrote:

>
>
> A bit of amp trivia.
>
> Just checked and from a cold start, rear panel power switch OFF.
> Switching rear panel switch ON, the blower does not pulse, LCD back
> light briefly illuminates and ACOM 1000 is displayed on the lower info
> line.
>
> Amp Firmware v4.1 Apr 05
>
> Regards,
>
> Mike VP8NO
>
>

6476. Re: [acom-list] Early? Acom 1000 Start up

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 22:22:40 UTC
From: Mike Harris
Topic: 6472 Message: 6476

On my 1000.

With the amp in standby, red front panel LED illuminated, LED display
dark but showing ACOM 1000.

Press and hold both the PREV and NEXT buttons for about 2 seconds.

To exit, press any button.

I discovered this whilst trying to find the menu to adjust the contrast
and back lighting after replacing the LED module. The menu flow chart
in my operators manual does not completely match what happens on my 1000
with respect to button presses. Firmware version isn't even listed.

Regards,

Mike VP8NO

On 04/04/2015 18:51, Ira Neal grassybranch@... [acom-list] wrote:
> How do you check for the firmware
> On Apr 4, 2015 1:39 PM, "Mike Harris mike.harris@... [acom-list]"
> <acom-list@yahoogroups.com> wrote:
>
>>
>>
>> A bit of amp trivia.
>>
>> Just checked and from a cold start, rear panel power switch OFF.
>> Switching rear panel switch ON, the blower does not pulse, LCD back
>> light briefly illuminates and ACOM 1000 is displayed on the lower info
>> line.
>>
>> Amp Firmware v4.1 Apr 05
>>
>> Regards,
>>
>> Mike VP8NO
>>
>>
>

6477. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-04 22:52:30 UTC
From: Mike Harris
Topic: 6463 Message: 6477

Well I'm not going to die in a ditch over this but what follows is an extract from the front panel removal and replacement instructions taken from a collection I have from "Acom1000TechCD". Who authored it I know not.

<Quote>
b) Set two variable air capacitors to maximum capacitance (closed). Align the rotor- and stator- plates edges evenly in a plane. Thread one knob on the upper shaft (TUNE). Orient the knob mark to point to "100" on the scale. Holding the knob with one hand, tighten its nut properly (take care not to turn the shaft meanwhile). Then check that the maximum (closed) position is indicated by a "100" on the scale. Put the black plastic cap and press it gently until it locks. Repeat the procedure for the bottom knob (TUNE).
<Unquote>

Note that "100" is used instead of "MAX" and the bottom knob is LOAD not TUNE.

As previously mentioned, my caps are set as described above and the tune/load settings and pre set numbers are as they were when the amp was new.

The document is somewhat over 2MB with description and nice pictures, none of the caps unfortunately.

Regards,

Mike VP8NO

On 04/04/2015 15:28, 'd48806' d48806@... [acom-list] wrote:
> I have not had the cover off yet, but this is the information I got from
> Array Solutions:
>
> "LOAD cap is fully meshed when positioned at zero (MIN). And TUNE is just
> the opposite, cap is fully meshed at maximum number (MAX)."
>
> Jay KV7AC
>

6478. Acom 1000 low drive display + low output.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 01:41:00 UTC
From: alpinesrgreat@...
Topic: 6478 Message: 6478

Greetings all,
Purchased an Acom 1k off of QTH and for all purposes with the equipment the individual has in their shack i have no reason to think anything besides it was getting full output when it was packed up as they stated.
Needless to say a ups trip from Washington to Wisconsin and she doesn't seem to be happy.
*I checked all connections. 1 to 1 swr in bypass and 1 to 1 when the amp is operating. (Only dummy load testing thus far.)
*With 50w Drive (2 Different rigs and 2 watt meters were all in agreement that it was getting 50 or dam near to it) The amp is only seeing 30w drive according to the indicator.
*The amp is operating and with 50 in im getting 600 tops out. (Drive is only showing 30 in)
*TRI indicator jumps around off scale after a moment and cant be brought in.
*I found a not so hot solder joint on the plate capacitive divider tower (the screw down into the tower next to the tube) It was a bad cold solder joint that loosened as soon as i removed the screw...
* Preformed a full visual inspection and replaced the wire and joints that i stated above and whipped out the DeOxit on everything.

I haven't powered it back up yet as i haven't installed a power receptacle at my QTH but i really hope that that connection was the problem. The amp is getting proper gain and output on what it says it is getting according to the on board drive power indication. But it isnt seeing the full drive be applied to it... swrs are all good and the TRI is jumping around after it is keyed up for a moment.

I was just wondering if anyone has ever seen anything like this.

73,
Steven McLenachen
KD9CNX

6479. Re: [acom-list] Acom 1000 low drive display + low output.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 02:45:17 UTC
From: Dean St. Hill
Topic: 6478 Message: 6479

Can't say that I have specifically but having owned a couple of these units I would say that I would trust the meters on the A1000 more than most meters. I was shocked at how inaccurate my own meters were.

With a 30w drive it sounds like 600W is about right for this amp. I would see like 900W out driving with 50W but I have some Bandpass Filters between the rigs and the amps which reduces the power by maybe a dB or so. typically I'm driving the amp with 75w output from the rig whih turns out to be around 60W at the amplifier's input - but as I say that's the effect of mainly Bandpass Filters and maybe a couple stubs that are switched in and out per band.

I originally used FT1kMPMKV's set for 75W output and at the maximum setting I never had an overdrive situation. With the FT950 I can overdrive the amp if it's set up for more than 90W drive on the low bands. I could drive with 90W on 10, 12 and maybe 15m without a problem. 6m I drive very lightly 20w or so as I am always wary of running more than about 400w on 6m in my location with a few houses closeby.

I would complete the visual inspection and from there you sound to be fine. You can be sure of one thing. If there is a fault this amplifier will find it, too much gain, too little gain, too much input, too much SWR, high or low HV, high grid current, bad coax or traps (arc faults), this amp will shut down and let you know there is a problem.

Hope that helps.

Dean - 8P6SH

Dean St.Hill

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dmsthill@... <dmsthill@...>

On Sat, Apr 4, 2015 at 9:41 PM, alpinesrgreat@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>

> Greetings all,
> Purchased an Acom 1k off of QTH and for all purposes with the
> equipment the individual has in their shack i have no reason to think
> anything besides it was getting full output when it was packed up as they
> stated.
> Needless to say a ups trip from Washington to Wisconsin and she
> doesn't seem to be happy.
> *I checked all connections. 1 to 1 swr in bypass and 1 to 1 when the amp
> is operating. (Only dummy load testing thus far.)
> *With 50w Drive (2 Different rigs and 2 watt meters were all in agreement
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> according to the indicator.
> *The amp is operating and with 50 in im getting 600 tops out. (Drive is
> only showing 30 in)
> *TRI indicator jumps around off scale after a moment and cant be brought
> in.
> *I found a not so hot solder joint on the plate capacitive divider tower
> (the screw down into the tower next to the tube) It was a bad cold solder
> joint that loosened as soon as i removed the screw...
> * Preformed a full visual inspection and replaced the wire and joints that
> i stated above and whipped out the DeOxit on everything.
>
> I haven't powered it back up yet as i haven't installed a power receptacle
> at my QTH but i really hope that that connection was the problem. The amp
> is getting proper gain and output on what it says it is getting according
> to the on board drive power indication. But it isnt seeing the full drive
> be applied to it... swrs are all good and the TRI is jumping around after
> it is keyed up for a moment.
>
> I was just wondering if anyone has ever seen anything like this.
>
> 73,
> Steven McLenachen
> KD9CNX
>
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>
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6480. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 02:53:58 UTC
From: Dean St. Hill
Topic: 6463 Message: 6480

Jay, just FYI - I've owned a couple A1000's and have had to remove front panels on both - one several times trying to troubleshoot a problem. I've always followed the instructions as provided in the files Mike mentioned. This has worked everytime without fail and my post-op settings have always matched closely the pre-op settings.

In the end it actually is just moot as if you tune using the recommended manner you'll get a solid tune - just not one that could be referenced from reading and trying to duplicate those settings or based on the settings noted in the manual for a 50 ohm load. The setting would just be different but the caps would have the correct levels of capacitance once the amp was properly tuned by the book using the visual indicator.
.

Dean - 8P6SH

Dean St.Hill

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dmsthill@... <dmsthill@...>

On Sat, Apr 4, 2015 at 6:52 PM, Mike Harris mike.harris@...
[acom-list] <acom-list@yahoogroups.com> wrote:

> Well I'm not going to die in a ditch over this but what follows is an
> extract from the front panel removal and replacement instructions taken
> from a collection I have from "Acom1000TechCD". Who authored it I know
> not.
>
> <Quote>
> b) Set two variable air capacitors to maximum capacitance (closed).
> Align the rotor- and stator- plates edges evenly in a plane. Thread one
> knob on the upper shaft (TUNE). Orient the knob mark to point to "100"
> on the scale. Holding the knob with one hand, tighten its nut properly
> (take care not to turn the shaft meanwhile). Then check that the maximum
> (closed) position is indicated by a "100" on the scale. Put the black
> plastic cap and press it gently until it locks. Repeat the procedure for
> the bottom knob (TUNE).

> <Unquote>
>
> Note that "100" is used instead of "MAX" and the bottom knob is LOAD not
> TUNE.
>
> As previously mentioned, my caps are set as described above and the
> tune/load settings and pre set numbers are as they were when the amp was
> new.
>
> The document is somewhat over 2MB with description and nice pictures,
> none of the caps unfortunately.
>
> Regards,
>
> Mike VP8NO
>
> On 04/04/2015 15:28, 'd48806' d48806@... [acom-list]
> wrote:
> > I have not had the cover off yet, but this is the information I got from
> > Array Solutions:
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> > "LOAD cap is fully meshed when positioned at zero (MIN). And TUNE is
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> >
> > Jay KV7AC
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6481. Re: Acom 1000 low drive display + low output.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 03:14:54 UTC
From: alpinesrgreat@...
Topic: 6478 Message: 6481

Thank you,
Yes no faults so far i have driven it with a couple of TenTec rigs and thru a couple of different watt meters and everything seems to agree upstream of the amp. but the amp says its getting lower drive. Ill print out a sheet that i know i have seen somewhere around here of healthy tube parameters to be sure even though the auto protection would politely tell me to be safe.
No faults and the amps seems to be happy just didnt push it when i saw it reading lower drive power than other equipment was saying. But as far as i can see in the schematic there is no input power meter it uses other circuitry to calculate it.

Back to the fellow ham that has 230 and a 1kw dummy load to check it out after my cleaning and monitor tube parameters as we crank up the drive a bit tomorrow hopefully. I was just cautious when reading 50 to 60 in for full output. But nobody specified if that was what the amp was seeing coming in or what the excitor was putting out.

Also i am probably being over cautious with the safety's that these amps have but in my line of work you should never rely on automated safety's if you haven't confirmed proper operation.

Thanks all,
KD9CNX
Steven K McLenachen

6482. Re: [acom-list] Re: Acom 1000 low drive display + low output.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 04:03:46 UTC
From: Dean St. Hill
Topic: 6478 Message: 6482

Steven

I think you'll be fine. I've owned and used a lot of amps and even though I had some bad luck on one of the A1000's - a bad transformer (shorting in the HV winding) - I am actually planning on either another A1000 or maybe an A1500.

The transformer failure made me do some reflecting but for the price and build quality not to mention reliability and range including 6m it's amazing value. Generally I was a bit worried about tetrode designs because of the complexity of the transformers compared to the typical triode design.

Maybe for backup amps I'll get a simple older Alpha with a simple triode grounded grid design - but these high gain Acoms are much more fun at a good price.

GL with the testing.

Regards,

Dean - 8P6SH

Dean St.Hill

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246-416-5277

dmsthill@... <dmsthill@...>

On Sat, Apr 4, 2015 at 11:14 PM, alpinesrgreat@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Thank you,
> Yes no faults so far i have driven it with a couple of TenTec rigs
> and thru a couple of different watt meters and everything seems to agree
> upstream of the amp. but the amp says its getting lower drive. Ill print
> out a sheet that i know i have seen somewhere around here of healthy tube
> parameters to be sure even though the auto protection would politely tell

> me to be safe.
> No faults and the amps seems to be happy just didnt push it when i
> saw it reading lower drive power than other equipment was saying. But as
> far as i can see in the schematic there is no input power meter it uses
> other circuitry to calculate it.
>
> Back to the fellow ham that has 230 and a 1kw dummy load to check it out
> after my cleaning and monitor tube parameters as we crank up the drive a
> bit tomorrow hopefully. I was just cautious when reading 50 to 60 in for
> full output. But nobody specified if that was what the amp was seeing
> coming in or what the excitor was putting out.
>
> Also i am probably being over cautious with the safety's that these amps
> have but in my line of work you should never rely on automated safety's if
> you haven't confirmed proper operation.
>
> Thanks all,
> KD9CNX
> Steven K McLenachen
>
>

6483. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 18:32:02 UTC
From: d48806
Topic: 6463 Message: 6483

Thank you Dean - I completely understand your point!! Using the TRI is preferred, when at all possible.

The main reason that I want to know which direction is which on the LOAD control is that sometimes (especially during contests or when answering a rare DX station), I don't have time to do the normal re-tuning sequence using the TRI. Especially, one does not want to crank out a CW carrier on the frequency while tuning. So in a pinch, I might want to tweek the LOAD control in the proper direction to ensure that, if mis-tuned slightly, screen current will be on the low side (vs. high SC, tube-stress, and possible splatter), at the same time that I'm transmitting.

Jay KV7AC

6484. Re: [acom-list] Re: ACOM-1K tuning, and good document

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-05 19:17:08 UTC
From: Mike Harris
Topic: 6463 Message: 6484

When I was running the HF Falklands - UK point to point TX station here in the late 70's, early 80's we had 7.5kW Marconi amps with 4CX5000A finals. Eimac supplied individual test data with each tube detailing the measured operating parameters, of particular note was the screen current at full output. We always adjusted the loading to match the the power out with the Eimac data screen current for the tube in use. No two were the same and can vary greatly.

It is surprising how many people feel the need to tune exactly on frequency in the belief that to do otherwise will damage the PA. Easy to find a clear spot a couple of kHz away for a four to five second tweak of the tuning.

I have preset data for both CW and SSB segments and on 18 and 24MHz tuning by TRI the numbers are the same! Without reduction drives on the Tune and Load controls it would difficult to split the readings. Naturally the antenna is well matched with good SWR bandwidth.

Regards,

Mike VP8NO

On 05/04/2015 15:32, 'd48806' d48806@... [acom-list]
wrote:
> Thank you Dean - I completely understand your point!! Using the TRI is
> preferred, when at all possible.
>
> The main reason that I want to know which direction is which on the LOAD
> control is that sometimes (especially during contests or when answering a
> rare DX station), I don't have time to do the normal re-tuning sequence
> using the TRI. Especially, one does not want to crank out a CW carrier on
> the frequency while tuning. So in a pinch, I might want to tweek the LOAD
> control in the proper direction to ensure that, if mis-tuned slightly,
> screen current will be on the low side (vs. high SC, tube-stress, and
> possible splatter), at the same time that I'm transmitting.
>
> Jay KV7AC
>

6485. Re: Acom 1011 . IP Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-06 15:07:45 UTC
From: tadej.mezek@...
Topic: 4748 Message: 6485

HI

I am experiencing exactly the same problem. Amplifier works and then I am unable to get it going due to IP and F lights flashing. I removed each of the tube and tried the amplifier and there is no IP and F lights flashing if there is either of two tubes inside the amplifier. As I put back both of tubes, there is IP and F lights flashing again ... every several PTT push there is no sign of this error:

How to solve this problem?

Thank you,

Ted, s51ta

6487. Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 13:58:49 UTC
From: hdskullfire2@...
Topic: 6486 Message: 6487

I too have been a Ham since '77, I have just a couple simple questions for all of us to digest..

One.. Why do you expect to get 1,200 watts PEP out of a amp that is only rated at 1,000 PEP??

Read the spec's here under the Acom 1000: amplifiers
http://www.acom-bg.com/amplifiers.html

amplifiers http://www.acom-bg.com/amplifiers.html ☐

View on www.acom-bg.com http://www.acom-bg.com/amplifiers.html
Preview by Yahoo

Two.. Are you running it on 120V or 240V service. If either how much other draw is your circuit? Unless the supply circuit power is overdrawn I would expect a lower output like any other amp without a dedicated power source..

Three.. If the amp is older I would expect the tubes to be closing in on the end of there duty cycle.. Particularly if you have been possibly over driving it to the max all the time attempting to get 1,200 watts...

Please share with the group your take on this.....

Steve NS3L

6488. Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 14:04:05 UTC
From: hdskullfire2@...
Topic: 6486 Message: 6488

Oh, one other thing to add..

What is the SWR presented to the amp?? Are you running a tuner after the amp or direct bypass from Amp to a antenna with a known SWR... What is the SWR?? The amp can handle only up to a certain point before the limiter kicks in..

Steve NS3L

6489. Sv: [acom-list] Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 14:20:11 UTC
From: ragnar otterstad
Topic: 6486 Message: 6489

Nobody will notice any difference in your signalstrength ,wether it is 850 W or 1,2kW, so why worry ?
73 Rag LA5HE

Den Torsdag, 16. april 2015 16.04 skrev "hdskullfire2@... [acom-list]" <acom-list@yahoogroups.com>:

  Oh, one other thing to add..
What is the SWR presented to the amp?? Are you running a tuner after the amp or direct bypass from Amp to a antenna with a known SWR... What is the SWR?? The amp can handle only up to a certain point before the limiter kicks in..
Steve NS3L

6490. RE: [acom-list] I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 14:31:26 UTC
From: Kees - pa7two
Topic: 6486 Message: 6490

Hi AB4VV,

Just my 2cents Sir:

The GU74B tube was designed for 750 Watts RF output. See manufacturers specification (Russian or Svetlana USA which talks about 50 Watt more as I recall for the same tube).

So before buying the unit, I was informed by myself by searching for the specifications that although the unit can produce more RF, it would be at cost of the life of the tube.

With some tweaking more RF can be obtained, than the 750-800 Watt, from the Acom 1000 but i.m.h.o. not recommended.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 16 Apr 2015 06:44:10 -0700
Subject: [acom-list] I feel that I have been 'Taken'

I bought my Acom 1000 about 5 years ago from Array Solutions for $3,150.00 or 3,050.00, I cant remember exactly. Now HRO is selling the same amp for around 2,500.00. Also I am actually afraid to use the Acom for long rag chews for fear of losing the transformer, like a lot of other Acom users have done.

Over priced NOS tubes from array solutions when compared to buying on ebay is another issue and like I said if I lose the transformer it will cost way more than it should.

Another thing is even using the Array Solution Power Master meter I have Never seen 1200 watts from my Acom 1000. Using a Yaesu FTDX 3000 I have to set my output power to 80 watts to see 1kw and on 40 meters I do not see 1kw at this drive setting, something more like 850 watts. I should add that the amp has not lost power over the 5 years I have had it, it is puttting out the same power with the same drive as it did from day one that I had it.

I am not a new ham, have had an FCC license since 1977 and have owned and used many other amps. So it is not a matter of a newbie not knowing how to load an amp.

I wish now that I would not have sold my Ameritron AL-80B. That was the most rugged and best bang for the buck amp on the market. Plus the tubes are still in stock and are not NOS. 3-500 tubes are still being made at a very reasonable price.

Oh well, live and learn

AB4VV

6491. Re: [acom-list] I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 15:00:09 UTC
From: Dean St. Hill
Topic: 6486 Message: 6491

Having owned a couple A1000's and likely buying another - it is without doubt one of the best built amps I've owned. there are different classes of amps of course and this is in the top tier. I also own an Ameritron AL811A but it is without doubt in a different class - more bang for the buck or less information on the amp's operations depending on your perspective.

You're expecting an amp to consistently perform beyond its design specifications. That is not logical. There are several full output options including the A1500 and units from many other manufacturers, tube and solid state.

Equipment is meant to be used and every piece of equipment once it has been in service for a period of time will have various failure modes. You can't really "prevent" failure by not using it - it just leads to other modes of failure. Use the amp. If it develops a problem with the transformer replace it or sell but other than using it within specification I don't know there is much a user can do.

I have had a failure in the HV section of the A1k transformer so I can identify with anyone with concerns there. Interestingly it was in the newer of two units both of which originated in NA but before Array was the dealer. These transformers for the tetrode are somewhat more complicated and it's more difficult to find substitutes as you might with the triode designs. However having looked at all the options, prices and reliability etc, I keep coming back to the A1000. As someone mentioned there isn't much difference between these power levels - 1kw, 800W, 900W, 1.2K (except for increased electricity bills) - not gonna be much of a difference except for the very very tough rarest of DXCC for which we all have a reserve 1.5KW amp (don't we?) But the A1000 ticks nearly every box in a requirement for an amp except 1.5K and fully auto. For that we would need to double the price and maybe gain 1/2 an S unit.

For me, I'd stick with the A1k and install some more antennas with the money saved..

YMMV.

73 - Dean - 8P6SH

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Thu, Apr 16, 2015 at 10:31 AM, Kees - pa7two pa7two@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Hi AB4VV,
>
> Just my 2cents Sir:
>
> The GU74B tube was designed for 750 Watts RF output. See manufacturers
> specification (Russian or Svetlana USA which talks about 50 Watt more as I
> recall for the same tube).
>
> So before buying the unit, I was informed by myself by searching for the
> specifications that although the unit can produce more RF, it would be at
> cost of the life of the tube.
>
> With some tweaking more RF can be obtained, than the 750-800 Watt, from
> the Acom 1000 but i.m.h.o. not recommended.
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
>
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
>
>
>
> ------------------------------
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 16 Apr 2015 06:44:10 -0700
> Subject: [acom-list] I feel that I have been 'Taken'
>
>
>
> I bought my Acom 1000 about 5 years ago from Array Solutions for
> $3,150.00 or 3,050.00, I cant remember exactly. Now HRO is selling the same
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> Over priced NOS tubes from array solutions when compared to buying on ebay
> is another issue and like I said if I lose the transformer it will cost way
> more than it should.

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> very reasonable price.
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> Oh well, live and learn
>
> AB4VV
>
>
>

6492. Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 15:19:57 UTC
From: Bob Olschwang
Topic: 6486 Message: 6492

AB4VV,

While I respect your right to express your opinion and vent your dissatisfaction, you'll get no sympathy from me. Acom and Array Solutions are top notch companies, proven customer service and satisfaction over the years. Just check out the hundreds of reviews on various ham radio websites. By the way, I have no affiliation with Array Solutions, but I do have an Acom 1000, purchased from them.

Your rant on pricing differences has no validation. I was in the retail sector for over 40 years, and when it comes to product pricing, there are no guarantees, especially after FIVE YEARS. There are many forces that affect retail prices....changes in manufacturing costs, distribution expenses, currency fluctuations, competitive issues, inventory control, relative value to similar products, etc. You buy a product at a certain time and price based on your research, desire to own it, and ability to pay for it. After that, all bets are off...buyers remorse and a later lower price (unless there is a "low price guarantee" in place) are not the responsibility of the seller. In fact, look now at HRO and Array Solutions...the Acom 1000 price has increased to $2,750.

You're afraid to use the amp for fear of losing the transformer? C'mon....I guess you don't drive your car for fear of losing the transmission; don't turn on your air conditioner for fear of losing the compressor. Stuff happens. Anything made by humans can fail for any reason at any time. That's why they have warranties to protect you for a reasonable amount of time. After that, it's your choice to repair or replace, at your expense. The only "lifetime warranty" is if you die before the original warranty period expires :-)

You think GU74B tubes are cheaper to buy on EBay?...so buy them there. Nobody's twisting your arm to buy them from Array Solutions.

You've never seen 1200 watts from an amp advertised and rated at 1000 watts?...not even gonna go there. I "can" get 1200 watts out of mine, but why? Only 850 watts on 40 meters?...too many factors and variables to support that. No one on the other side could tell the difference anyway.

You sound so dissatisfied, I think you should sell the amp while the retail price is now higher, and re-buy your coveted Ameritron AL-80B. You'll even have money left over to sooth your buyers remorse. Just make sure you shake it first to make sure there are no components or hardware rattling around inside.

Just my opinion on your rant.

73 es GL,

Bob K7JQ

Sent from my iPad

6493. Re: [acom-list] Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 15:34:44 UTC
From: Jim Cox
Topic: 6486 Message: 6493

Amen to your comments, well said.. 73s Jim K4JAF

From: mailto:acom-list@yahoogroups.com
Sent: Thursday, April 16, 2015 10:19 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: I feel that I have been 'Taken'

AB4VV,

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Just my opinion on your rant.

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Bob K7JQ

Sent from my iPad

6494. Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 15:58:10 UTC
From: d48806
Topic: 6486 Message: 6494

Very good comments by all, esp. K7JQ and 8P6SH !!

It seems like two things affect the actual power output of the 1000 (besides the obvious: amp tuning and drive level) - the actual line voltage under load, and the gain of the particular tube in the amp.

My line voltage has virtually no "sag" under full load, and evidently the tube in my specific amp has a lot of gain. I have to decrease my drive to around 55-60w on most of the bands to keep the power output around 1000w. I can easily get 1200w+ with 80w drive on most bands. Evidently I got lucky with my particular tube.

I have talked to many hams that run the Ameritrons - most have commented that their amps spend a LOT of time in repair shops. The Acom appears to have a much better reliability history, and is a great product, IMHO.

Jay KV7AC

6495. Re: [acom-list] I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 16:05:13 UTC
From: Ira Neal
Topic: 6486 Message: 6495

Like anything new technology as it ages the price goes down. But most guy'like bragging rights , new stuff is alwsys pricey. As for power out, i have my ft2000 with 50 watts and whatever output i get, k-ser-rah. I dont try proving myself to anyone. If you bought a car gor 3000 abd a year later, well you get the point.
73 de ke4ex.....
On Apr 16, 2015 9:44 AM, "nmbsun1@yahoo.com [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> I bought my Acom 1000 about 5 years ago from Array Solutions for
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>
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> Oh well, live and learn
>
>
>
> AB4VV
>
>

6496. Re: [acom-list] I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 17:04:48 UTC
From: Vic Culver
Topic: 6486 Message: 6496

Hi, Claude (Sonny) -- if that was you who wrote this blurb. I guess I would be very happy to swap an AL-80B with you for your ACOM 1K. I've had ACOM 1K longer than you, and I have an ACOM 2000 also -- both have their place in my station.

I have conducted most of my ACOM business with Array Solutions -- Jay and Bob have been fantastic -- since originally getting the A-1K from Krassy, when he imported the ACOM amp. The salient point to be taken here is that people always seem to know the price of everything, and the value of nothing!

You have to do whatever makes you happy, and in this instance I would like to put a smile on your face. I will find a 'cherry' Ameritron AL-80B and drive down to swap it with you for that albatross you seem to be so unhappy having.

Good luck rag-chewing with the other die-hards on 75 SSB! 73, Vic, W4VIC

On 4/16/2015 9:44 AM, nmbsun1@yahoo.com [acom-list] wrote:
>
> I bought my Acom 1000 about 5 years ago from Array Solutions for
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6497. Re: [acom-list] I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 19:21:52 UTC
From: Brenton Meadows
Topic: 6486 Message: 6497

HI to AB4VV,

What you have is one of the best design amplifiers on the market, by far. I own the 1000, 1500 and automatic 2000 and after trialling almost very amp on the market, I could give you a dozen technical reasons for why you are way in front of the Ameritron by keeping your Acom. And I am not knocking the Ameritron but the Acom 1000 is so far superior, and it should be, it is in a different price bracket to the Ameritron of course.

On the pricing issue, this was way out side of the control of Array Solutions, a bulk deal was done which virtually undercut Jays very long term Acom business and it was done while he was holding stocks, so he felt the pain just like everybody. HRO are a big buying power who utilised that power in a massive first buy and it was felt all around the world, not just in the USA. The Euro has also been harsh of late and an expensive currency to play with, so this factor will see prices fluctuate from time to time. Also, it is of note that Jay issues a full check on every amplifier that hits US shores and this means you do in fact have full knowledge of the working amp in the USA. A previous poster mentioned voltages,110v versus 240v over here, yes, this can cause minor top end power capabilities but not massive differences. If you are achieving 1kw in the USA, this is correct for the Acom 1000. Can it do a little more, well the real question is, will anyone hear the small difference. My answer owning most models of Acom amps is that as you go from 1000 to 1500 to 2000, you will obviously see some s meter differences but in Australia, we are for the short term, limited to 400w so our acom amps don't even get warm, this will change back soon to 1kw fingers crossed.

Transformer failures can happen of course, but very rare in my experience. Tubes, I think the pricing is at a point of being extremely affordable now, a few years back, you would have had a heart attack as they were extremely expensive.

Hang in there with your Acom Amplifier, we have sold a huge number of them here in Australia and obviously enjoy the usage of the Acom amps personally every day. Jay at Array solutions has been such a great fellow dealer, often offering advice and experience that I must be honest, HRO just don't have. Array Solutions is a local American Ham radio company that has brought so many innovative products to the market, over here in Australia, they are so well respected and we support them whenever we can in comparison to the big gun multimillion dollar buying power outlets. And don't misread this as Jay is small, hes not, his stock holding is staggering, but it is his local support for you guys that has the hidden value for you guys in the USA.

Just my two cents worth

Brenton
VK3CM
Tangambalanga
North East Victoria
Australia

On Thu, Apr 16, 2015 at 11:44 PM, nmbsun1@... [acom-list] <
acom-list@yahoogroups.com> wrote:

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>
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> to set my output power to 80 watts to see 1kw and on 40 meters I do not see
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> that the amp has not lost power over the 5 years I have had it, it is
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> Oh well, live and learn
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> AB4VV
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6499. Re: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solutions here!

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 22:44:53 UTC
From: Brenton Meadows
Topic: 6498 Message: 6499

Hi Sonny,
Sorry mate, I didnt intend to make it sound like you were Acom bashing from your side,(although TAKEN is a very strong term) and your points are valid in your last email re complexity versus simplicity, but as Acom dealers here in the Asia pacific region, let me assure you that repairing them is not always as expensive as you think. Most issues are simple ones, the most common one is a 10w resistor that we see from time to time. And as an example, Acom is the choice of our Australian Military and some Asian Defense customers as well for quite a few applications. One of their criteria is ease of repair and with that, economy of repair. Admittedly, defense tend to use the Acom 2000A series of course, its just the best amp on the market world wide, but I am a bit biased of course. Its also the quietest and simplest amp to use, ok, now i am advertising unintentionally, but its just my favorite toy in the shack, especially since the new controller box. As a side note, we just started selling the new Acom 600S, nice amp in so many ways, good feedback from customers so far, so great advances from Acom.

On me being a black box operator and possible sensitive egos, I could not disagree more, I run an array of Optibeam antennas varying from 70' to 120' in the air and these are some massive arrays and the Acom Amps i enjoy love the optibeams of course. I also use an Icom IC7850, so in that, yes a black box, but I did spend ten years as head of the Asia Pacific Satellite Engineering division of Motorola so I have some technical background. I have over 70 radios in my personal collection(Hoarders USA have called haha) and love refurbishing older equipment as well. Another 19 radios are arriving on Tuesday, its a sickness haha..I tend to be quite an easy going individual, far from perfect let me say, but I smile every day and my goal is to put a smile on others faces, not disrupt their day with forum responses that may not have been agreeable by yourself. You have my sincere apology if anything I wrote was offensive or not to your liking, it was not intended to be anything but some input from down under. So, again, my sincere apology if I have offended you in any way

With that, your reply unexpectedly surprised me, I am great mates with Jay and I must say, having a shot at my ego or my lack of industry experience(back box operator) whilst trying to help/advise you was not expected. I was replying to the fact that you had felt "taken", and trying to differentiate the Ameriton versus the Acom, two very different amps. I did not acutely defame you in any way, I addressed your comments with some alternative points of view, and some information as to what happened to us all as Acom dealers worldwide. I believe supporting Jay in Acom sales is a great choice, when you need back up its a phone call away. All that aside, my apology still stands regardless. I want to grow

friendships, not the opposite.

Anyway, i will let you say what you want about me on this forum, it will not effect my outlook or my determination to push Acom forward, and least of all, ego, I certainly do not see any relationship with your comments about my ego and the comments placed about the Acom series of amps. I hope you can see that my response was in no way an attack on you, just some thoughts on our experience over here in Australia and the asia pacific region. My company which I started in the mid 1990's after being asked by Motorola to form(10 years with Motorola prior) managed to reach turn over figures of over $8,000,000 annually and we now have offices in Malaysia and China. Me, I have started semi retirement at the age of 50 and have appointed a new Managing Director both in Australia and in Malaysia to ensure I can enjoy the years ahead and the hobby I love so much. So my comments are based on my personal love of Acom, not my commercial interest in the product, I simply love the amplifiers the Bulgarians make with such expertise. I also understand that budget is always a consideration and some of your points and comparisons were noted and agreed to in my last response. Even I have to get things past my wife, I just had to buy her a new granite top kitchen to bribe her for my new Icom 1 of 150 IC7850 units, so I know all about constructive deal making and economy of movement. [?]

So Sonny, in short, no offence meant, actually I just want you to enjoy your amplifier. Here is an offer for you to assist you in your concerns re the valve etc, if you ever blow one up, I will donate one to you free of charge and you just pay the postage, our two countries are allies in so many areas and the last thing I want is for you to think there is any bad blood between us, there is simply not. If you have any problem with your Acom, both jay and myself are a phone call or email away, happy to assist anytime. I want good honest discussion for sure on forums, and that is what we are having, and I am happy to help you if you ever need it in any way. Us Aussies, we make a lot of noise but we are not a bad bunch overall, we just talk funny haha....I recently had an article on the Elecraft website as I have 3 K3 units, man did it blow up into a big mess, so I have had my own mistakes made on forum and not throwing stones in class houses is my goal in any conversation. In short, that issue resolved with loads of smiles on faces, even mine, so that was a great resolution. l did learn something, the title of any forum article is crucial, mine was, not too happy with elecraft, I regret my title as its floating around the web for an infinite amount of time regardless in the fine print, it becomes obvious that elecraft sorted the problem out.. I told you I get it wrong myself, so I am far from perfect myself.

cheers
Brenton
VK3CM
Tangambalanga(yes, its a real name, heres some trivia, Mel Gibsons old home town may years ago)
North East Victoria
Australia

PS below is what I still contend with in my semi retirement, thank god we sold the real estate company we owned as well with the list below.
Position and Navigation Systems Pty Ltd (Australia and Malaysia)
Praxis Multimedia SDN BHD (Malaysia)
Kiewa Valley Kennels(Australia)
Samantics Beauty (Australia) I unfortunately am disallowed from the spray tanning of naked girls etc,(weird, I applied for the job with my wife and was denied, quite ungrateful i thought) and waxing, well, my xyl seems to love ripping hair out, shes a dangerous woman with wax haha.
Oh, and Im supposed to fit in renovations on our acreage here as well, I think I might beg for my old job with Motorola back. I am not sure getting back to Chicago would be quite as easy as back in the 1990's, but I loved my 4 years there, you guys are a great bunch of people to work (and play ham radio) with.

On Fri, Apr 17, 2015 at 7:36 AM, nmbsun1@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Just a follow up to make clear to all that I am not bashing Array
> Solutions about the Acom amp.
>
>
>
> Jay and Bob at array have always been great to talk with and do business
> with. As I mentioned in my original post, I own their Power Master meter.
> Which I can say is the best VSWR/Power meter I have ever used or owned at
> any price. For that matter I dont think you can find better equipment at
> any price from any ham radio dealer.
>
> What I am saying is that I can run an Ameritron AL-80B and not worry about
> the thing breaking. WHY? Because I can fix it. Its a simple amp with a tube
> that is almost bullet proof. NO< the Ameritron will not hold your hand and
> keep you from breaking it. If you dont have sense enough to run a tube amp
> you will be sending the 80B off to be fixed on a regular basis. But if you
> do know how to use a tube amp you will get many years of almost non stop
> use from it. I had a original 'build it yourself' Heathkit SB-1000 that I
> used and modded to suit my usage. The thing works if you can work on an
> amp. I have also used a Ameritron AL-80A for the 160 meter contest in feb
> and it never failed me in 12 years of beating it to death. I have used but
> will never buy the Ameritron 1500 because of the cost of the tube as well
> as the AL-1200.
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> If I could get parts for' the Acom 1000 at a reasonable price and tubes
> under a 100 dollars like I did back in the early 90's I would not be afraid
> of running the Acom all day and night. As it stands now, I know it will
> cost me money that I have but do not want to spend to run the Acom like I
> run an Ameritron. Sorry I stepped on some very sensitive egos here so I
> will say "73's...QSK... Short Time....Destiniated.... and may your store

> bought G5RV play well for you...
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> Claude 'Sonny' Peeler, Jr.
>
> AB4VV
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> ---In acom-list@yahoogroups.com, <nmbsun1@...> wrote :
>
> I bought my Acom 1000 about 5 years ago from Array Solutions for
> $3,150.00 or 3,050.00, I cant remember exactly. Now HRO is selling the same
> amp for around 2,500.00. Also I am actually afraid to use the Acom for long
> rag chews for fear of losing the transformer, like a lot of other Acom
> users have done.
>
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> Over priced NOS tubes from array solutions when compared to buying on ebay
> is another issue and like I said if I lose the transformer it will cost way
> more than it should.
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[Non-text portions of this message have been removed]

6500. Re: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solutions here!

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 22:48:04 UTC
From: David Alperstein N4DOV
Topic: 6498 Message: 6500

I ALSO paid a $1000 more for my Acom1000. Added to that I ALSO paid nearly $1000 more for my TenTec Eagle over the current price - before TenTec was sold and the price was decreased. Now just waiting for Hilberling and Icom 7851 to drop $10,000 ! By the way my more expensive Acom 1000 has worked flawlessly over the years - I do not "protect it", in fact "it protects" me from my "operating flaws." So at the higher price I paid, I am going to make sure to get every extra cents worth, and more out of my "cherished" equipment.

david alperstein n4dov
On Apr 16, 2015 5:36 PM, "nmbsun1@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Just a follow up to make clear to all that I am not bashing Array
> Solutions about the Acom amp.
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> Jay and Bob at array have always been great to talk with and do business
> with. As I mentioned in my original post, I own their Power Master meter.
> Which I can say is the best VSWR/Power meter I have ever used or owned at
> any price. For that matter I dont think you can find better equipment at
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> Claude 'Sonny' Peeler, Jr.
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> AB4VV
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6501. Re: [acom-list] I feel that I have been 'Taken'... Not talking about Array Solutions here!

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-16 22:54:01 UTC
From: dalej
Topic: 6498 Message: 6501

I don't believe you'll find 3-5's under $100 anymore. As for ego's, I read the whole thread and didn't see any egos. It appears to me you are happy with the AL-80A/B and you should stay with what works for you.

Some time ago I had a AL80A (with the prime instruments transformer too) and I thought it was a very good amp.

73
Dale, k9vuj

If I could get parts for' the Acom 1000 at a reasonable price and tubes under a 100 dollars like I did back in the early 90's I would not be afraid of running the Acom all day and night. As it stands now, I know it will cost me money that I have but do not want to spend to run the Acom like I run an Ameritron. Sorry I stepped on some very sensitive egos here so I will say "73's...QSK... Short Time....Destiniated.... and may your store bought G5RV play well for you...

Claude 'Sonny' Peeler, Jr.

AB4VV

6502. Re: [acom-list] I feel that I have been 'Taken'... Not talking about Array Solutions here!

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 00:18:05 UTC
From: Dean St. Hill
Topic: 6498 Message: 6502

Claude

What you're saying isn't really that different from what most others have contributed.

I would agree with much of your thoughts. I too have found that the failures of the A1k seem to be very basic parts and mostly readily repairable. It is not however quite as "simple" as the Al80x. I also find that you need to depend somewhat more on technical support in troubleshooting because of the protections which make it difficult to energise the various circuits without "dealer-level" knowledge - often beyond the info available in the technical supplement.

BUT - since the A1k lets you know its various faults, you start troubleshooting knowing what is basically wrong.

Generally the price of tubes is increasing - the price of many of the classic triodes is very high - the 3CX1200 and 3CX1500 even the 3cx800 have become quite expensive and even if the 4cx800 is getting expensive - it's still cheaper than most of its triode cousins.

Of course the 3-500 is still quite inexpensive and I'm surprised we're not seeing new designs with that tube - but maybe there is only so much more designing that can be done with a grounded grid amp.

Whatever you decide - enjoy and hope to hear you on the other side of my coax with a full KW and sounding good. Congrats on your new insurance policy - now you can run your amp without fear :-).

73 - Dean - 8P6SH

Dean St.Hill

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246-416-5277

dmsthill@... <dmsthill@...>

On Thu, Apr 16, 2015 at 6:54 PM, dalej dj2001x@... [acom-list] <acom-list@yahoogroups.com> wrote:

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6503. Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 00:44:11 UTC
From: Skip Guenter
Topic: 6503 Message: 6503

WHAT did I miss about A-1K transformers? ? ?

Into the dummy load the A-1K said 46W in (radio set to 50W out, thru meters, switches, tuner, extrnl meter says 48W) gave me 740W out on 40m (724W on external meter, 7.189) when first put into service. Checked it a couple weeks ago still says 46W in with radio set on 50W and showed 736W out. That's well within tolerances of my junk meters.

Frankly the AL-80B is a great amp. Look at what the 'free' warranty is on various Ameritron amps. I'll think you'll find they know it's their most reliable amp also. 3-500Z tubes are great (other than shelf life) and the Chinese can make an acceptable one at that. Not an Eimac or Amperex but still. The "RF Parts" brand ones are better tested and with 3yrs on 'em are the ones to buy IMO.

I also have an AL-80A and had a SB-1000... great stuff but it's old stuff, like the TS-830S that feeds the AL-80A.

The single biggest thing that affects (perceived / metered) power output isn't line voltage it's SWR! Maybe not with a PowerMaster II (sure hope I get to test that out soon :-)

Sonny, I do know where there's a TL-922A and a fairly new AL-80B for sale between u and me (He's buying an A-1.5K) and we'll both be in Nashville in June.

--
S. R. 'Skip' Guenter, K5SRG/
/

6504. Re: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 03:35:28 UTC
From: Dean St. Hill
Topic: 6503 Message: 6504

Skip

There have been a few instances of shorted HV windings. I first noticed it in the reviews with this one ham from France really making several low rated reviews on Eham. I thought he was "ranting" and didn't see it as an issue.

http://www.eham.net/reviews/review/109873

However it actually happened to me in 2013. The amp was actually on and running at the time. I had stepped away from the shack to grab something and when I got back it had faulted and turned itself off. I turned it back on to find a PN07 fault which is basically HV. After a couple days troubleshooting with help from Val at Acom, we found a short between the 305V and 2800V windings.

The fix was a replacement transformer - 478 Euro including the shipping (very heavy of course).

Initially I was quite upset but I had bought this amp second hand and it had given me about 8 years service without any prior issues. That triggered a phase of major research around amps in general with an initial thought that I would move back to a pair of older Alpha 374A's or 76's and convert to the 3CX800 tubes. However when I considered all the factors including the cost of replacement tubes I concluded that the A1k even with this "issue" was better for my situation - the various protections etc. And just the technology differences between two different eras of amp building.

My interactions with Acom left me with another option - to use an A1500 transformer - maybe 100 Euro more expensive but I figured it would be coasting at 2/3rd it's rated output. However this needed some modifications - some drilling and rewiring. I decided to go with the direct replacement which was a plug and play solution. (I was thinking that the A1000 transformers might have been NOS sitting in a warehouse and just as old as the one being replaced - but transformers are still in production)

My other consideration is that here in Barbados we have very high humidity and high temperatures which have of course killed many a piece of equipment in the shack - so I also figured part of the problem might have been humidity since it has not presented itself as a widespread - based on my research and overall content of this forum.

I've also come across one other instance where a transformer had to be replaced in similar circumstances but of course I've seen loads more faults which required simple and inexpensive parts replacements.

That's my experience with the "transformer issue", Hope it helps.

Dean - 8P6SH

Dean St.Hill

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246-825-2039 <246-825-2039>
246-416-5277 <246-416-5277>

dmsthill@... <dmsthill@...m>

On Thu, Apr 16, 2015 at 8:44 PM, Skip Guenter sguenter@...
[acom-list] <acom-list@yahoogroups.com> wrote:

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> WHAT did I miss about A-1K transformers? ? ?
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6505. Re: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 03:52:23 UTC
From: Brenton Meadows
Topic: 6503 Message: 6505

Hi Dean, the most obvious question I can ask you being from VK is "when are you on 20m so we VK's can work Barbados" Certainly look forward to working you sometime in 8P6 land. Nearly got to visit in the 90's. Motorola stuck me down in Columbia and Venezuela for a stretch, Barbados looked so much more enticing.
Cheers
Brenton
VK3CM
PS interesting comments on the 1500 transformer into the 1000, we must remember that as an option if a transformer dies. Sounds like a few mods but some good gains. That being said, no transformer problems in the many Acom amps I own or have sold as a dealer over here in the Asia Pacific region so we have had a good run...

On Fri, Apr 17, 2015 at 1:35 PM, 'Dean St. Hill' dmsthill@... [acom-list] <acom-list@yahoogroups.com> wrote:

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> Skip
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> There have been a few instances of shorted HV windings. I first noticed it
> in the reviews with this one ham from France really making several low
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> the one being replaced - but transformers are still in production)
>
> My other consideration is that here in Barbados we have very high humidity
> and high temperatures which have of course killed many a piece of equipment
> in the shack - so I also figured part of the problem might have been
> humidity since it has not presented itself as a widespread - based on my
> research and overall content of this forum.
>
> I've also come across one other instance where a transformer had to be
> replaced in similar circumstances but of course I've seen loads more faults
> which required simple and inexpensive parts replacements.
>
> That's my experience with the "transformer issue", Hope it helps.
>
> Dean - 8P6SH
>
>
>
>
>
> *Dean St.Hill*
>
>
>
>
> *Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>*
> *It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>*
>
> *17 Ocean City*
> *St.Philip*
> *Barbados*
>
> *246-825-2039 <246-825-2039>*
> *246-416-5277 <246-416-5277>*
>
> *dmsthill@... <dmsthill@...>*
>
> On Thu, Apr 16, 2015 at 8:44 PM, Skip Guenter sguenter@...
> [acom-list] <acom-list@yahoogroups.com> wrote:
>
>>

>>
>> WHAT did I miss about A-1K transformers? ? ?
>>
>>
>> Into the dummy load the A-1K said 46W in (radio set to 50W out, thru
>> meters, switches, tuner, extrnl meter says 48W) gave me 740W out on 40m
>> (724W on external meter, 7.189) when first put into service. Checked it a
>> couple weeks ago still says 46W in with radio set on 50W and showed 736W
>> out. That's well within tolerances of my junk meters.
>>
>> Frankly the AL-80B is a great amp. Look at what the 'free' warranty is
>> on various Ameritron amps. I'll think you'll find they know it's their
>> most reliable amp also. 3-500Z tubes are great (other than shelf life)
>> and the Chinese can make an acceptable one at that. Not an Eimac or
>> Amperex but still. The "RF Parts" brand ones are better tested and with
>> 3yrs on 'em are the ones to buy IMO.
>>
>> I also have an AL-80A and had a SB-1000... great stuff but it's old
>> stuff, like the TS-830S that feeds the AL-80A.
>>
>> The single biggest thing that affects (perceived / metered) power output
>> isn't line voltage it's SWR! Maybe not with a PowerMaster II (sure hope I
>> get to test that out soon :-)
>>
>> Sonny, I do know where there's a TL-922A and a fairly new AL-80B for sale
>> between u and me (He's buying an A-1.5K) and we'll both be in Nashville in
>> June.
>>
>> --
>> S. R. 'Skip' Guenter, K5SRG
>>
>>
>
>

6506. Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 03:59:00 UTC
From: garfieldbill700@...
Topic: 6503 Message: 6506

I'd like to throw in my 2¢ here.

Power transformers, regardless of the product they're in, is a major component that rarely fails. When they do and if there is a recurring pattern of these failures, then clearly something is wrong & it behooves the mfr to stand good their replacement, not so much in regard to product warranty as in regard to customer good will. This is not to suggest that they should come with a lifetime warranty, but for something with the cost and perceived quality of ACOM, the power xfmr would probably be one of the last components I would ever expect to see fail.

My only comment in regard to wattmeters is this; you either own a Bird or wish that you did. No, it's not a particularly elegant-looking meter, but you're unlikely to find one that's any more dependable or accurate. There are a lot of wattmeters out there, some cheap, some not so cheap and a few that are darned expensive. However, there are none that can claim to exceed the repeatable accuracy of a Bird-43 with the appropriate element. The several cross-needle meters are indeed very nice, but if I need to be able to simultaneously see both my forward and reflected power and know exactly what it is, I'll take a pair of back-to-back Bird-43s any day.

The LED "wattmeter" built-in to my Acom-1010 is not at all accurate, nor do I expect it to be. I find it to be at least 10% generous, perhaps a bit more, but for it's intended purpose as a "relative" indication of power output, it's fine. If I want to know exactly how much I'm putting out,I'll look at the Bird. With a 2.5KW slug that puts the meter reading near the center of the scale, the point at which it's accuracy is referenced.

Finally, the difference between 1200w and 850w is 1.497 dB (OK, let's call it 1.5). On the other end of the QSO a 1.5dB difference in signal strength is not measurable, period. If you want to impress the Op at the other end, put up a better antenna.

73 - Bill - WB9FOP

6507. Re: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 06:30:28 UTC
From: Hans Remeeus
Topic: 6503 Message: 6507

Well said Bill!

This is one of the reasons why I put up a 400 feet horizontal DeltaLoop antenna. The increase of signalstrength (TX ?nd RX) is amazingly! Not one linear amplifier on our ham market will give the same results as such an antenna does. Signal reports of 59+20/59+30dB on 3,7 MHz are no exception and even DX on all the HF-bands is outstanding.

Puting up such an antenna does not have to cost more than about 25% of the price of an Acom 1000. The only thing you will need is a nice yard ;-)

Have a look at
http://www.remeeus.eu/index.php/ham-radio/antennas-and-antennatuners/delta-loop-antenna.html

73, Hans.

Others may have different opinions...

>
> Finally, the difference between 1200w and 850w is 1.497 dB (OK, let's
> call it 1.5). On the other end of the QSO a 1.5dB difference in
> signal strength is not measurable, period. If you want to impress the
> Op at the other end, put up a better antenna.
>
> 73 - Bill - WB9FOP

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

6508. Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 09:02:27 UTC
From: on4ct@...
Topic: 6486 Message: 6508

It is a feeling, but some facts :
- the eur/dollar rating has chanched a lot in favor for EU export and US costumers
- acom is delivering very good customer service
- Transformator faults , it is rare
- gu74b , look better on the internet some urkraine and russian are selling these cheap, you can buy several for the price of one. Preheat these tubes yourself

I can have the same feeling op my top of the line yeasu transceiver, I bought one in 2010 , now I can buy one 25 - 30 % cheaper......

Enjoy ....

73
dirk
on4ct

6509. Re: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 09:36:01 UTC
From: Dave
Topic: 6503 Message: 6509

Hans,

Beautiful antenna!

73
Dave
wo2x

On 4/17/2015 2:30 AM, Hans Remeeus hans@... [acom-list] wrote:
>
>
> Well said Bill!
>
> This is one of the reasons why I put up a 400 feet horizontal
> DeltaLoop antenna. The increase of signalstrength (TX ?nd RX) is
> amazingly! Not one linear amplifier on our ham market will give the
> same results as such an antenna does. Signal reports of 59+20/59+30dB
> on 3,7 MHz are no exception and even DX on all the HF-bands is
> outstanding.
>
> Puting up such an antenna does not have to cost more than about 25% of
> the price of an Acom 1000. The only thing you will need is a nice yard ;-)
>
> Have a look at
> http://www.remeeus.eu/index.php/ham-radio/antennas-and-antennatuners/delta-loop-antenna.
html
>
> 73, Hans.
>
> Others may have different opinions...
>
>

6510. xformr fail

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 18:36:28 UTC
From: Skip Guenter
Topic: 6510 Message: 6510

Dean - 8P6SH,

EXCELLENT summary. Thank you very much for the detail.

Yea, 8 years on a 2nd hand ACOM and an apparently infrequent issue raises it's ugly head, I might be drawn to the same conclusion. I might also think well I'll get a A-1.5K and still run it at the same level as I was running the A-1K but we all know how that can creep up on ya ;-) However, it doesn't sound like the fail had anything to do with the load at the time.

In the past if I got 2~4 years on an older used amp before having to do 'something' I figured I was ahead in the game. A transformer is a biggie though.

I had a LK500-ZC that had at one time been diagnosed as needing a new filament transformer. To replace just that part with the /correct/ Peter Dahl would've been > 350 USD + shipping. Fortunately it turned out that was not the problem but I did sell it at a loss with 80m not working right and told the guy it had a problem. It turned out to be a combo of an incorrect padding cap and a not well soldered ground in the RF section and he had the 80m problem fixed in a few days. It also turned out to have an 'extra' cap somebody had put into the input tuning circuit on 160m that was causing a high input SWR on that band... another cheap fix and he's got it up and running. I'd never run 160m on it so had never looked at that. Turns out those two old 1978 Eimacs can still key down ~1400W out. I'm glad for him. It cost me about 300 USD to run it for a couple years at a time when I couldn't have afforded anything more than a $650 amp.

BTW, Anybody need a brand new, still in the box, pair of 'RF Parts' brand (3yr) matched 3-500Z tubes? Or a single and I'll keep one as a spare for the ol' AL-80A.

Again, Thanx Dean

Skip

--
S. R. 'Skip' Guenter, K5SRG/
/

6511. RE: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solut

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 20:41:01 UTC
From: N2TK, Tony
Topic: 6503 Message: 6511

Bill,

Usually I stay silent. But I can’t help myself on this one.

I do not own a Bird nor do I wish to own a Bird wattmeter. From experience on using Bird’s to calibrate our RF generators I would definitely select something like a PowerMaster or LP-100.

We used to get tired of how out of calibration we found new slugs. +/- 20% and worse was not uncommon. We provided Birds as an option is the reason we bought them by the box.

We used a calorimeter for calibration of both the meter dial and the slugs. Once calibrated and installed a new calibrated meter face we taped the slug in place. And marked the frequency on the case. Mostly used at 13.56MHZ. I forget if it was every 6 or 12 months we would do another calibration.

My point – because it says Bird it does not mean it is calibrated. Maybe they have improved over the years.

By the way we checked an old Drake L-4. It was surprisingly close to actual on 20M.

I concur with your other points.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, April 16, 2015 11:59 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: I feel that I have been 'Taken'... Not talking about Array Solut

I'd like to throw in my 2¢ here.

Power transformers, regardless of the product they're in, is a major component that rarely fails. When they do and if there is a recurring pattern of these failures, then clearly something is wrong & it behooves the mfr to stand good their replacement, not so much in regard to product warranty as in regard to customer good will. This is not to suggest that they should come with a lifetime warranty, but for something with the cost and perceived quality of ACOM, the power xfmr would probably be one of the last components I would ever expect to see fail.

My only comment in regard to wattmeters is this; you either own a Bird or wish that you did. No, it's not a particularly elegant-looking meter, but you're unlikely to find one that's any more dependable or accurate. There are a lot of wattmeters out there, some cheap, some not so cheap and a few that are darned expensive. However, there are none that can claim to exceed the repeatable accuracy of a Bird-43 with the appropriate element. The

several cross-needle meters are indeed very nice, but if I need to be able to simultaneously see both my forward and reflected power and know exactly what it is, I'll take a pair of back-to-back Bird-43s any day.

The LED "wattmeter" built-in to my Acom-1010 is not at all accurate, nor do I expect it to be. I find it to be at least 10% generous, perhaps a bit more, but for it's intended purpose as a "relative" indication of power output, it's fine. If I want to know exactly how much I'm putting out,I'll look at the Bird. With a 2.5KW slug that puts the meter reading near the center of the scale, the point at which it's accuracy is referenced.

Finally, the difference between 1200w and 850w is 1.497 dB (OK, let's call it 1.5). On the other end of the QSO a 1.5dB difference in signal strength is not measurable, period. If you want to impress the Op at the other end, put up a better antenna.

73 - Bill - WB9FOP

6512. Re: [acom-list] xformr fail

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 21:07:41 UTC
From: Dean St. Hill
Topic: 6510 Message: 6512

NP Skip

I've had only excellent service from Array, Acom Int. and Acom Bg so no complaints there. I just reckon that you don't want to be the guy with a busted transformer. Even replacing a couple boards on the other unit didn't come close to the cost of a transformer. It's even worse than replacing the tube but of course nothing happens without it.

And yes I reckon it wasn't the load at the time so all those years of high temps and high humidity must have taken its toll.

In fact as I think about it now I also had a couple FT1kmp's and eventually when they failed, I was told that their fan(s) contributed to the problem by directing the (moist, humid) air over a part of the RF Unit Board while air was only required by the PA Unit. The tech built some protective ducts to shield the RF Unit while deflecting the air towards and into the PA Unit.

This memory makes me realise that on the failed A1000 I did have the extra fan running continuously. This obviously increases air flow and (on reflection) may have accelerated the problem. My other older A1000 did not have the extra fan fitted and its transformer is still doing well. Can't conclude the fan contributed of course but its something to consider. It's not really essential but at the time I just figured the more the merrier in terms of air flow.

I will disable that fan and try to get a sense especially when running rtty if I can do without it.

73's, Dean - 8P6SH

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

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246-416-5277 <246-416-5277>

dmsthill@... <dmsthill@...>

On Fri, Apr 17, 2015 at 2:36 PM, Skip Guenter sguenter@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Dean - 8P6SH,
>
> EXCELLENT summary. Thank you very much for the detail.
>
> Yea, 8 years on a 2nd hand ACOM and an apparently infrequent issue raises
> it's ugly head, I might be drawn to the same conclusion. I might also
> think well I'll get a A-1.5K and still run it at the same level as I was
> running the A-1K but we all know how that can creep up on ya ;-) However,
> it doesn't sound like the fail had anything to do with the load at the time.
>
> In the past if I got 2~4 years on an older used amp before having to do
> 'something' I figured I was ahead in the game. A transformer is a biggie
> though.
>
> I had a LK500-ZC that had at one time been diagnosed as needing a new
> filament transformer. To replace just that part with the *correct* Peter
> Dahl would've been > 350 USD + shipping. Fortunately it turned out that
> was not the problem but I did sell it at a loss with 80m not working right
> and told the guy it had a problem. It turned out to be a combo of an
> incorrect padding cap and a not well soldered ground in the RF section and
> he had the 80m problem fixed in a few days. It also turned out to have an
> 'extra' cap somebody had put into the input tuning circuit on 160m that was
> causing a high input SWR on that band... another cheap fix and he's got it
> up and running. I'd never run 160m on it so had never looked at that.
> Turns out those two old 1978 Eimacs can still key down ~1400W out. I'm
> glad for him. It cost me about 300 USD to run it for a couple years at a
> time when I couldn't have afforded anything more than a $650 amp.
>
> BTW, Anybody need a brand new, still in the box, pair of 'RF Parts' brand
> (3yr) matched 3-500Z tubes? Or a single and I'll keep one as a spare for
> the ol' AL-80A.
>
> Again, Thanx Dean
>
> Skip
>
> --
> S. R. 'Skip' Guenter, K5SRG
>
>
>

6513. External Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 21:33:15 UTC
From: jeff.freedman@...
Topic: 206 Message: 6513

Last October, Mike VP8NO described installation of an external fan for his 1000.

Was curious whether any others have been installed - I'm seeking info on where the 12 or 24 VDC is taken from. Inside the amplifier? External power source?

BTW, have not had an ounce of problems with my 1000. Work CW only and usually keep it under 350 W.

Thanks and 73 - Jeff K7JF

6514. Re: [acom-list] External Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 22:28:26 UTC
From: ZL2AAA
Topic: 206 Message: 6514

Inside the amp about the middle near the back wall.It’s marked and 24v.Morrie

From: mailto:acom-list@yahoogroups.com
Sent: Saturday, April 18, 2015 9:33 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] External Fan

Last October, Mike VP8NO described installation of an external fan for his 1000.

Was curious whether any others have been installed - I'm seeking info on where the 12 or 24 VDC is taken from. Inside the amplifier? External power source?

BTW, have not had an ounce of problems with my 1000. Work CW only and usually keep it under 350 W.

Thanks and 73 - Jeff K7JF

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

6515. Re: [acom-list] External Fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-17 22:45:43 UTC
From: Mike Harris
Topic: 206 Message: 6515

Hi,

The 24V is taken from an orange terminal block adjacent to the LV transformer. It's marked 24V. If you would like a jpg I will send one direct along with a drawing showing the fan installation and mini description of the job. Total about 50KB.

However, in your case I would suggest it isn't required unless you are hot, high or both. I installed the fan because I had been running 6m EME JT65A at 900W. 50 seconds TX 70 seconds RX for skeds of anything up to 40 minutes. The tube chimney temp stayed below 80C and the blower never speeded up but I wanted to push a bit more air past, you guessed, the transformer and associated electronics! I haven't run like that since I did the job so I can't compare chimney temps.

I also do RTTY and it usually develops into a run for an hour or more at 600-700W.

The extra fan does add somewhat to the noise. Not a big deal for me 'cos I use headphones all the time, Yamaha CM500 as loved by K3 owners.

Regards,

Mike VP8NO

On 17/04/2015 18:33, jeff.freedman@... [acom-list] wrote:
> Last October, Mike VP8NO described installation of an external fan for his 1000.
>
> Was curious whether any others have been installed - I'm seeking info on where the 12 or 24 VDC is taken from. Inside the amplifier? External power source?
>
> BTW, have not had an ounce of problems with my 1000. Work CW only and usually keep it under 350 W.
>
> Thanks and 73 - Jeff K7JF
>
>

6516. Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-18 01:40:17 UTC
From: jimson59@...
Topic: 6486 Message: 6516

Just for the record the NEW price on the 1000 is now is $2749. so the euro and dollar are doing that dance again, there have not be many xfmr failures except for one posting on e ham and many Acoms have been used on DXpeditions with radical voltage mains. Your array solutions may be out of calibration plus the antenna you are loading into may have some reactance which would change your power reading, low swr is BS and the only way I have done accurate power measurement is threw a calibrated meter such as a bird 43 to a dummy load that will handle the power, many different antennas that show a low swr may not show a perfect 50 ohm load like a dummy load will.

6517. Re: Sources for GU74B Tubes?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-18 10:40:28 UTC
From: wb5jhy@...
Topic: 6432 Message: 6517

Tubes are now $650 a pair plus shipping. I always over pay to AS. Jay said he would pick out "some nice ones for me". Ha, one had a flat on the cooling fins (as in maybe dropped) and both kinda ugly which is normal I guess. I figured they were warranted so I installed them both and they both tested fine. The exhaust temp and filiment draw matched up very well. Just a little harder to drive than the "new" original tubes but I left them in to make the long haul. Top end power out is about the same I'd say. 2K plus into a dummy load. I feel like I just got out of the doctor's office. My butt still hurts from the shot but I feel better now with a good set of spare tubes on the shelf.

6520. A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-18 19:43:02 UTC
From: Mike Harris
Topic: 6510 Message: 6520

A data point for those interested. Just completed an RTTY run of 102 QSO's in one hour twenty minutes. Power was set at 700W+/- indicated. Chimney temp settled at 56C. Room 22C.

Regards,

Mike VP8NO

6521. Re: [acom-list] A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 01:07:46 UTC
From: <wb5jhy@...>
Topic: 6510 Message: 6521

That's some helpful info Mike. I was considering an extra fan myself. May not even worry about it.

Thanks,
Tom
WB5JHY

----- Original Message -----
From: Mike Harris mike.harris@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Saturday, April 18, 2015 2:43 PM
Subject: [acom-list] A1000 Aux fan

A data point for those interested. Just completed an RTTY run of 102
QSO's in one hour twenty minutes. Power was set at 700W+/- indicated.
Chimney temp settled at 56C. Room 22C.

Regards,

Mike VP8NO

6522. Re: [acom-list] A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 06:14:44 UTC
From: Dean St. Hill
Topic: 6510 Message: 6522

The external fan is basically not really necessary unless you are actually doing full power, 100% duty cycle AND for extended transmissions - like transmitting an ARRL-type bulletin.

Having said that running rtty contests with a pair of A1000's with one having a fan and the other not, the tube temperature was always much cooler with the additional fan. Sometimes it was so cool, I would jokingly wonder if I would get full output at so low a temperature. Speaking from memory at the moment but there was easily a 15 degree (Celcius) difference when running high power and I seem to remember it being even more of a difference after both amps had been at rest for an extended period.

I had bought two fans with the intention to run both on fans but having installed the first fan, I was waiting to have another reason to open the other amp as it did not seem worth it to go through all that work only for the fan mod.

Just some more perspective on the A1k and fan mod. Hope it helps. Of course 8P is somewhat hotter than most US States.

73 - Dean - 8P6SH

Dean St.Hill

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It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

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St.Philip
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246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Sat, Apr 18, 2015 at 9:07 PM, wb5jhy@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> □
> That's some helpful info Mike. I was considering an extra fan myself.
> May not even worry about it.
>
> Thanks,
> Tom

> WB5JHY
>
>
>
>
> ----- Original Message -----
> *From:* Mike Harris mike.harris@... [acom-list]
> <mike.harris@...+[acom-list]>
> *To:* acom-list@yahoogroups.com
> *Sent:* Saturday, April 18, 2015 2:43 PM
> *Subject:* [acom-list] A1000 Aux fan
>
>
>
> A data point for those interested. Just completed an RTTY run of 102
> QSO's in one hour twenty minutes. Power was set at 700W+/- indicated.
> Chimney temp settled at 56C. Room 22C.
>
> Regards,
>
> Mike VP8NO
>
>
>

6523. Re: [acom-list] A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 11:30:57 UTC
From: Mike Harris
Topic: 6510 Message: 6523

Just to confirm. That data was with the aux fan installed.
Unfortunately I don't have a "before" comparison.

Regards,

Mike VP8NO

On 18/04/2015 22:07, wb5jhy@... [acom-list] wrote:
> That's some helpful info Mike. I was considering an extra fan myself. May not even worry about it.
>
> Thanks,
> Tom
> WB5JHY
>
>
>
> ----- Original Message -----
> From: Mike Harris mike.harris@... [acom-list]
> To: acom-list@yahoogroups.com
> Sent: Saturday, April 18, 2015 2:43 PM
> Subject: [acom-list] A1000 Aux fan
>
>
>
> A data point for those interested. Just completed an RTTY run of 102
> QSO's in one hour twenty minutes. Power was set at 700W+/- indicated.
> Chimney temp settled at 56C. Room 22C.
>
> Regards,
>
> Mike VP8NO
>
>
>
>

6524. Re: [acom-list] Re: To Brenton, VK3CM

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 13:21:48 UTC
From: Brenton Meadows
Topic: 6498 Message: 6524

hi soon, email sent
cheers
Brenton
VK3CM

On Sun, Apr 19, 2015 at 12:59 AM, nmbsun1@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> ab4vv @ hotmail . com
>
>
>
>
>
> Sonny....AB4VV
>
>
>

6525. Re: A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 18:43:11 UTC
From: Skip Guenter
Topic: 6510 Message: 6525

Wow, That's 50F/28C cooler than I'll hit running an RTTY net on 20m at
400W w/o the Aux fan!
My room temp 27~27.5C so about a bit warmer here.
/.....
A data point for those interested. Just completed an RTTY run of 102 //
//QSO's in one hour twenty minutes. Power was set at 700W+/- indicated. //
//Chimney temp settled at 56C. Room 22C.

/
--
S. R. 'Skip' Guenter, K5SRG/
/

6526. Re: A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 18:54:01 UTC
From: Skip Guenter
Topic: 6510 Message: 6526

From the SUBJ: I was assuming this is WITH the AUX fan! ??

On 04/19/2015 01:43 PM, Skip Guenter wrote:
> Wow, That's 50F/28C cooler than I'll hit running an RTTY net on 20m at
> 400W w/o the Aux fan!
> My room temp 27~27.5C so about a bit warmer here.
> /.....
> A data point for those interested. Just completed an RTTY run of 102 //
> //QSO's in one hour twenty minutes. Power was set at 700W+/- indicated. //
> //Chimney temp settled at 56C. Room 22C.
>
> /
> --
> S. R. 'Skip' Guenter, K5SRG/
> /

--
S. R. 'Skip' Guenter, K5SRG
/3905cc 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6527. Re: [acom-list] Re: A1000 Aux fan

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-19 19:34:20 UTC
From: Mike Harris
Topic: 6510 Message: 6527

Yes.

Mike VP8NO

On 19/04/2015 15:54, Skip Guenter sguenter@... [acom-list] wrote:
> From the SUBJ: I was assuming this is WITH the AUX fan! ??
>
> On 04/19/2015 01:43 PM, Skip Guenter wrote:
>> Wow, That's 50F/28C cooler than I'll hit running an RTTY net on 20m at
>> 400W w/o the Aux fan!
>> My room temp 27~27.5C so about a bit warmer here.
>> /.....
>> A data point for those interested. Just completed an RTTY run of 102 //
>> //QSO's in one hour twenty minutes. Power was set at 700W+/-
>> indicated. //
>> //Chimney temp settled at 56C. Room 22C.
>>
>> /
>> --
>> S. R. 'Skip' Guenter, K5SRG/
>> /
>

6528. Re: [acom-list] Re: I feel that I have been 'Taken'

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-20 04:28:46 UTC
From: <aivers30868@...>
Topic: 6486 Message: 6528

Amen to you comments
w6vnr, joe

-----Original Message-----
From: "'Jim Cox' jcox123@... [acom-list]"
Sent: Apr 16, 2015 8:34 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: I feel that I have been 'Taken'

?

Amen to your comments, well said..? 73s Jim K4JAF

?

?

From: mailto:acom-list@yahoogroups.com

Sent: Thursday, April 16, 2015 10:19 AM

To: acom-list@yahoogroups.com

Subject: [acom-list] Re: I feel that I have been 'Taken'

?

?

AB4VV,

While I respect your right to express your opinion and vent your dissatisfaction, you'll get no sympathy from me. Acom and Array Solutions are top notch companies, proven customer service and satisfaction over the years. Just check out the hundreds of reviews on various ham radio websites. By the way, I have no affiliation with Array Solutions, but I do have an Acom 1000, purchased from them.

Your rant on pricing differences has no validation. I was in the retail sector for over 40 years, and when it comes to product pricing, there are no guarantees, especially after FIVE YEARS. There are many forces that affect retail prices....changes in manufacturing costs, distribution expenses, currency fluctuations, competitive issues, inventory control, relative value to similar products, etc. You buy a product at a certain time and price based on your research, desire to own it, and ability to pay for it. After that, all bets are off...buyers remorse and a later lower price (unless there is a "low price guarantee" in place) are not the responsibility of the seller. In fact, look now at HRO and Array Solutions...the Acom 1000 price has increased to $2,750.

You're afraid to use the amp for fear of losing the transformer? C'mon....I guess you don't drive your car for fear of losing the transmission; don't turn on your air conditioner for

fear of losing the compressor. Stuff happens. Anything made by humans can fail for any reason at any time. That's why they have warranties to protect you for a reasonable amount of time. After that, it's your choice to repair or replace, at your expense. The only "lifetime warranty" is if you die before the original warranty period expires :-)

You think GU74B tubes are cheaper to buy on EBay?...so buy them there. Nobody's twisting your arm to buy them from Array Solutions.

You've never seen 1200 watts from an amp advertised and rated at 1000 watts?...not even gonna go there. I "can" get 1200 watts out of mine, but why? Only 850 watts on 40 meters?...too many factors and variables to support that. No one on the other side could tell the difference anyway.

You sound so dissatisfied, I think you should sell the amp while the retail price is now higher, and re-buy your coveted Ameritron AL-80B. You'll even have money left over to sooth your buyers remorse. Just make sure you shake it first to make sure there are no components or hardware rattling around inside.

Just my opinion on your rant.

73 es GL,

Bob K7JQ

Sent from my iPad

6529. ACOM 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-25 19:28:38 UTC
From: n5ifh@...
Topic: 6529 Message: 6529

Recently purchased the ACOM 1500 and after reading an article on the ACOM 1000 by N1SU I understand that you can configure the ACOM 1000 to automatically energize the rest of the unit on key-down from the exciter without having to press the ON/OFF button on the front panel. Nice feature...curious if the ACOM 1500 can also be configured to do the same. I've checked but do not see that option in the menu selection.

Thanks,

Roger/N5IFH

6530. Re: [acom-list] ACOM 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-26 00:28:38 UTC
From: Dean St. Hill
Topic: 6529 Message: 6530

Never heard about this feature. Do you have a link to the article?

73 Dean 8P6SH

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Sat, Apr 25, 2015 at 3:28 PM, n5ifh@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Recently purchased the ACOM 1500 and after reading an article on the ACOM
> 1000 by N1SU I understand that you can configure the ACOM 1000 to
> automatically energize the rest of the unit on key-down from the exciter
> without having to press the ON/OFF button on the front panel. Nice
> feature...curious if the ACOM 1500 can also be configured to do the same.
> I've checked but do not see that option in the menu selection.
>
>
> Thanks,
>
>
> Roger/N5IFH
>
>
>

6531. Re: [acom-list] ACOM 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-26 00:54:58 UTC
From: Bob Olschwang
Topic: 6529 Message: 6531

Never heard of this either. Perhaps you are referring to the "auto-operate" option, which automatically places the A1000 into "operate" after the warmup period. Normally, it goes to "standby", and you have to manually press the button to put it into "operate".

Sent from my iPad

6532. RE: [acom-list] ACOM 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-26 01:56:33 UTC
From: Bob Naumann
Topic: 6529 Message: 6532

N1SU’s description is not correctly stated.

Neither the 1000 nor the 1500 will do what he says.

You can, however, configure either the 1000 or the 1500 so that it goes into operate mode after you press the ON button on the front panel and the amplifier goes through the required warm-up period.

This only removes the requirement to manually shift into Operate mode from Standby.

W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, April 25, 2015 3:29 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1500 Question

Recently purchased the ACOM 1500 and after reading an article on the ACOM 1000 by N1SU I understand that you can configure the ACOM 1000 to automatically energize the rest of the unit on key-down from the exciter without having to press the ON/OFF button on the front panel. Nice feature...curious if the ACOM 1500 can also be configured to do the same. I've checked but do not see that option in the menu selection.

Thanks,

Roger/N5IFH

6533. Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-28 05:42:53 UTC
From: w7zz@...
Topic: 6533 Message: 6533

I am the proud owner of a brand new Acom 2000a and am trying to get it all set up.

I use an Icom 756 Pro III as the exciter. I control the Pro 3 by computer, so the CIV jack is already in use.

I made the special CIV to CAT cable from the amp manual and intended to use a Y splitter plugged into the CIV jack to feed the CIV voltages to both the amp and the computer. When I do that, however, computer control ceases and the amp doesn't seem to know that the Icom is there either (I have selected Icom in the amp's CAT menu and my Pro III is set to 19,600 baud as the amp manual specifies). Plugging only the amp into the CIV jack of the Icom, the amp still does not seem to know that it should be communicating with the Icom.

Since I was very careful as I made the special CIV/CAT cable and I tested it as best I could before putting it to use, I suspect that the issue is the hex address. I am using the default 6Eh for the Icom. Nowhere in the Acom manual does it say what CIV address the amp is using nor how to change it. If it's listening on some other address, it won't "hear" my Pro III even if everything else is set up correctly.

Anyone have any suggestions on how to hook up the Icom CIV to both interface with my computer and also the amp? Yes, I know it's not necessary and that the amp will change freqs as soon as I transmit, but I think I will improve the longevity of the amp if it pretunes to the rig's frequency as the rig QSYs, without having to transmit into the wrong settings, even momentarily.

I welcome your suggestions. Thanks. 73, Doug W7ZZ

6534. RE: [acom-list] Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-28 13:08:40 UTC
From: Bill Hider
Topic: 6533 Message: 6534

Doug,

I had the identical problem when I tried to connect my IC-7800 to my then-new ACOM 2000a almost exactly 1 year ago.

I do not know anything about the 756 Pro III, so you need to translate what I am going to now tell you about my IC-7800 and the ACOM 2000a interface.

Initially, I plugged the ACOM 2000a CIV cable (the one you made up per the ACOM 2000a manual) directly from the ACOM 2000a RCU to the IC-7800 “remote” jack, with no other device (e.g., a PC) connected.

Next thing I had to do is set the IC-7800 CIV baud rate to 19,2000, (likely a typo in your post, but verify that setting).

As you encountered, that configuration did not work for me either(!)

Then, I had to change the IC-7800 CIV TRANSCEIVE ON/OFF to TRANSCEIVE = ON. [Note: this “Transceive” control has nothing to do with the radio as a transceiver.

It has to do with setting the IC-7800 to broadcast (“broadcast” is ICOM terminology for a particular ICOM CIV command) on the CIV bus the radio’s main tuning dial frequency whenever the IC-7800 changes frequencies. The ACOM 2000a is constantly listening on the CIV Bus for CIV broadcast commands and responds to them appropriately.]

Changing the IC-7800 to TRANSCEIVE =ON fixed the problem and the ACOM 2000a then tracked the IC-7800’s frequency changes.

NOTE ALSO: The ACOM 2000a must be in OPR not STB for the ACOM 2000a to respond to the frequency changes.

Then, I checked out the ACOM 2000a “TUNE” command on the RCU to see if the 2000A would control the IC-7800 RF power output and automatically tune-up the 2000a when the TUNE button was pressed – YES, it worked fine.

--------That completes my answer to your posting----------

Now, there was much more I needed to do to get the ACOM 2000a to work with a PC running N1MM and the IC-7800, all connected to the CIV bus simultaneously, but I’ll

stop typing now and leave that to another thread.

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, April 28, 2015 1:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Hooking Acom 2000a up to Icom 756 Pro III

I am the proud owner of a brand new Acom 2000a and am trying to get it all set up.

I use an Icom 756 Pro III as the exciter. I control the Pro 3 by computer, so the CIV jack is already in use.

I made the special CIV to CAT cable from the amp manual and intended to use a Y splitter plugged into the CIV jack to feed the CIV voltages to both the amp and the computer. When I do that, however, computer control ceases and the amp doesn't seem to know that the Icom is there either (I have selected Icom in the amp's CAT menu and my Pro III is set to 19,600 baud as the amp manual specifies). Plugging only the amp into the CIV jack of the Icom, the amp still does not seem to know that it should be communicating with the Icom.

Since I was very careful as I made the special CIV/CAT cable and I tested it as best I could before putting it to use, I suspect that the issue is the hex address. I am using the default 6Eh for the Icom. Nowhere in the Acom manual does it say what CIV address the amp is using nor how to change it. If it's listening on some other address, it won't "hear" my Pro III even if everything else is set up correctly.

Anyone have any suggestions on how to hook up the Icom CIV to both interface with my computer and also the amp? Yes, I know it's not necessary and that the amp will change freqs as soon as I transmit, but I think I will improve the longevity of the amp if it pretunes to the rig's frequency as the rig QSYs, without having to transmit into the wrong settings, even momentarily.

I welcome your suggestions. Thanks. 73, Doug W7ZZ

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5941 / Virus Database: 4334/9645 - Release Date: 04/28/15

6535. Re: Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-29 22:47:39 UTC
From: James Sansoterra
Topic: 6533 Message: 6535

So close and still no cigar. I thought this string might finally get my ICOM 7600 to talk to my 2000A. I double checked the settings per the N3RR email-(nice catch with that "transceiver" broadcast input ,thank you). Nope. Cat cable is correct from ARRAY,(A 2K 1 CV) 19200 is set, "transceiver" was set to ON, ACOM is set for ICOM, set for CAT cable, right plug used on the RCU, all for ZIP.. All I get by changing bands on the ICOM is the 2000 RCU jumping to 13600--13700 segment...and where THAT came from I have no idea. Anybody solve this 7600 to 2000A shotgun marriage? JIM K8JRK

6536. Re: [acom-list] Re: Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-29 23:18:23 UTC
From: James Miller
Topic: 6533 Message: 6536

Hello Group

I don't have the 2000A, but the ACOM 600S and my question is have you tried a slower transfer rate as in 9600?

I have my IC-7410 hooked up and one of the settings on the 600S was to set the CAT to TTL and it suggested 9600 baud rate for the ICOM. I don't know if that is an option just trying to help as I know the frustration when trying to get all to work.

The first step I tried was getting the radio to talk to the amplifier in making band changes from the radio prior to going to control from in my case a Mac? The transceiver was talking just fine and followed the band changes with no issues, but he computer was a little more.

I see you have turned the Transceive to "On"?

One final note that I found if you are connect to one of the new USB 3 ports that the Silicon Labs bridge didn't work and I had to put an old USB 2 hub in and after that all came up singing.

I know we are talking apples and oranges, but just trying to help.

73

James
DU2UXJ / K4NNL
On Apr 30, 2015 6:47 AM, "James Sansoterra jamesnoland42@yahoo.com [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> So close and still no cigar. I thought this string might finally get my
> ICOM 7600 to talk to my 2000A. I double checked the settings per the N3RR
> email-(nice catch with that "transceiver" broadcast input ,thank you).
> Nope. Cat cable is correct from ARRAY,(A 2K 1 CV) 19200 is set,
> "transceiver" was set to ON, ACOM is set for ICOM, set for CAT cable,
> right plug used on the RCU, all for ZIP.. All I get by changing bands on
> the ICOM is the 2000 RCU jumping to 13600--13700 segment...and where THAT
> came from I have no idea. Anybody solve this 7600 to 2000A shotgun
> marriage? JIM K8JRK
>
>
>

6537. RE: [acom-list] Re: Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-29 23:34:49 UTC
From: Bill Hider
Topic: 6533 Message: 6537

The Acom 2000a is hardwired for 19,200 with the CAT set for ICOM.

The CIV device speed that talks to the 2000a must be set to 19,200.

Been there, done 9600 – NG.

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, April 29, 2015 7:18 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Hooking Acom 2000a up to Icom 756 Pro III

Hello Group

I don't have the 2000A, but the ACOM 600S and my question is have you tried a slower transfer rate as in 9600?

I have my IC-7410 hooked up and one of the settings on the 600S was to set the CAT to TTL and it suggested 9600 baud rate for the ICOM. I don't know if that is an option just trying to help as I know the frustration when trying to get all to work.

The first step I tried was getting the radio to talk to the amplifier in making band changes from the radio prior to going to control from in my case a Mac? The transceiver was talking just fine and followed the band changes with no issues, but he computer was a little more.

I see you have turned the Transceive to "On"?

One final note that I found if you are connect to one of the new USB 3 ports that the Silicon Labs bridge didn't work and I had to put an old USB 2 hub in and after that all came up singing.

I know we are talking apples and oranges, but just trying to help.

73

James
DU2UXJ / K4NNL

On Apr 30, 2015 6:47 AM, "James Sansoterra jamesnoland42@... [acom-list]" <acom-list@yahoogroups.com> wrote:

So close and still no cigar. I thought this string might finally get my ICOM 7600 to talk to my 2000A. I double checked the settings per the N3RR email-(nice catch with that "transceiver" broadcast input ,thank you). Nope. Cat cable is correct from ARRAY,(A 2K 1 CV) 19200 is set, "transceiver" was set to ON, ACOM is set for ICOM, set for CAT cable, right plug used on the RCU, all for ZIP.. All I get by changing bands on the ICOM is the 2000 RCU jumping to 13600--13700 segment...and where THAT came from I have no idea. Anybody

solve this 7600 to 2000A shotgun marriage? JIM K8JRK

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5941 / Virus Database: 4339/9657 - Release Date: 04/29/15

6538. Re: Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-30 03:49:43 UTC
From: W7ZZ
Topic: 6533 Message: 6538

Bill,

First, thanks for the detailed reply. I also note that you replied directly by email as well, and I'll respond to that one there.

Thanks for the tip on using "transceiver on/off" as a way to test the home made cable and the system overall. I'll try that. If it works, I know I made the cable correctly, anyway. The wire coming from the mini-plug used for CIV is so thin that I know it broke the first time I put the cable together (testing showed that, so I re-made it, but that doesn't mean it hasn't broken again while in use).

However, all logging software that I am aware of (I use DX Lab Suite) won't work correctly with "transceiver on." You must use "transceiver off." Same for N1MM+, which I use for contest logging, so this won't work for me. In addition, I am soon to add a Steppir antenna which also needs to tap into the CIV output to know what band/freq to tune itself to, so the problem is going to get worse, not better. I had intended to use a 3 way "Y" splitter cable, assuming that the Steppir and Acom 2000a only "listened" to the CIV bus, so would not interfere by sending to the bus, but apparently that isn't the case.

I am exploring other choices. If push comes to shove, I'll let the Acom 2000a sense the transmitting freq and make the change and retune by itself. I just don't like that idea because, by definition, for however long that takes (1 second or less, they say), the amp is firing into a gross mismatch for the tubes and, over time, that just can't be a good thing for the tubes and the amp. I'd really prefer that the amp follow the rig and retune BEFORE I make the actual decision to transmit on the new frequency.

73, Doug W7ZZ

6539. Re: [acom-list] Re: Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-30 04:28:29 UTC
From: Dean St. Hill
Topic: 6533 Message: 6539

And that was supposed to be the microHAM microkeyer (MK) and/or Station Master (SM) - the autocorrect got me.

Dean 8P6SH

Dean St. Hill

Barbados.JustAskLocals.com
It's a big world. Travel smarter.

246-416-5277
246-825-2039 (mobile)

sent from my BLU smartphone
On Apr 30, 2015 12:26 AM, "Dean St. Hill" <dmsthill@...> wrote:

> This is mainly in relation to the addition of a steppir to a scenario
> involving an a2000 and an ICOM rig. At that point it might be worth having
> a look at microHAM devices like the micrometer or station master.
>
> I use these and even though I do not have an ACOM 2000 or a steppir it
> does support both devices and can speak to them in either C-IV or other
> "languages" so with my setup its like middleware between all the stuff we
> like to interface including rotors, amps, any supported transceiver,
> antennas etc.
>
> Its obviously not a cheap option but it seems to me everything else isn't
> cheap either.
>
> Its just a thought on one interfacing option. I'm not an ICOM user (last
> Icom was a 735) but am a bit wary of the C-IV interface as it seems to have
> well documented errors/problems even though I am not sure if that is
> relevant to the issues at hand.
>
> Cheers.
>
> Dean 8P6SH
>
>
>
> Dean St. Hill
>
> Barbados.JustAskLocals.com
> It's a big world. Travel smarter.
>
> 246-416-5277

> 246-825-2039 (mobile)
>
> sent from my BLU smartphone
> On Apr 29, 2015 11:50 PM, "'W7ZZ' w7zz@... [acom-list]" <
> acom-list@yahoogroups.com> wrote:
>
>>
>>
>> Bill,
>>
>>
>>
>> First, thanks for the detailed reply. I also note that you replied
>> directly by email as well, and I'll respond to that one there.
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>> Thanks for the tip on using "transceiver on/off" as a way to test the
>> home made cable and the system overall. I'll try that. If it works, I
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>> for me. In addition, I am soon to add a Steppir antenna which also needs
>> to tap into the CIV output to know what band/freq to tune itself to, so the
>> problem is going to get worse, not better. I had intended to use a 3 way
>> "Y" splitter cable, assuming that the Steppir and Acom 2000a only
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>> gross mismatch for the tubes and, over time, that just can't be a good
>> thing for the tubes and the amp. I'd really prefer that the amp follow the
>> rig and retune BEFORE I make the actual decision to transmit on the new
>> frequency.
>>
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>>
>> 73, Doug W7ZZ

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6540. Re: [acom-list] Re: Hooking Acom 2000a up to Icom 756 Pro III

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-30 04:26:03 UTC
From: Dean St. Hill
Topic: 6533 Message: 6540

This is mainly in relation to the addition of a steppir to a scenario involving an a2000 and an ICOM rig. At that point it might be worth having a look at microHAM devices like the micrometer or station master.

I use these and even though I do not have an ACOM 2000 or a steppir it does support both devices and can speak to them in either C-IV or other "languages" so with my setup its like middleware between all the stuff we like to interface including rotors, amps, any supported transceiver, antennas etc.

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Cheers.

Dean 8P6SH

Dean St. Hill

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It's a big world. Travel smarter.

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sent from my BLU smartphone
On Apr 29, 2015 11:50 PM, "'W7ZZ' w7zz@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
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> Bill,
>
>
>
> First, thanks for the detailed reply. I also note that you replied
> directly by email as well, and I’ll respond to that one there.
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> Thanks for the tip on using “transceiver on/off” as a way to test the home
> made cable and the system overall. I’ll try that. If it works, I know I

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> I am exploring other choices. If push comes to shove, I'll let the Acom
> 2000a sense the transmitting freq and make the change and retune by
> itself. I just don't like that idea because, by definition, for however
> long that takes (1 second or less, they say), the amp is firing into a
> gross mismatch for the tubes and, over time, that just can't be a good
> thing for the tubes and the amp. I'd really prefer that the amp follow the
> rig and retune BEFORE I make the actual decision to transmit on the new
> frequency.
>
>
>
> 73, Doug W7ZZ
>
>
>
>

6541. (LONG) SOLUTION For Hooking Acom 2000a up to Icom 756 Pro III, IC-7800 and (probably) the IC-7600 & other ICOM gear (L O N G)

Yahoo group: acom-list (2010 — 2016)
Date: 2015-04-30 05:00:27 UTC
From: Bill Hider
Topic: 6541 Message: 6541

Very good Doug ☐ I am using a device that solves the Acom 2000a problems I had ☐ read on. (LONG)

First of all - full disclosure - I have NO financial interest - NONE - in anything I mention below.
My only interest is as a customer, technical analyzer, beta-tester and user of the K9JM CI-V router.
Further, my interest is in helping others improve their station's operations.

I have been using the K9JM Arduino-based CI-V router since 2011.
EXECUTIVE OVERVIEW & BOTTOM LINE: I believe this router will solve the problems you are having.

History:
(Note: SO2V = Single Op Two VFO, SO2R = Single Op Two Radio)

I purchased my first K9JM CI-V router in 2011 to solve the well-known "PW-1 collision problem" in my SO2V station: IC-7800/PW-1
There are several other hardware & software solutions to the PW-1 problem. I decided to purchase the K9JM solution.

In 2013, I purchased another K9JM router for my (IC-7800/PW-1)*2 SO2R station.

In May 2014, I purchased two ACOM 2000a amps from Array Solutions. The two Acom 2000a amps replaced my two PW-1s, which I sold.

The K9JM router plays "traffic cop" between the PC (running N1MM in my case), the radio (IC-7800 in my case), the Amp (now, Acom 2000a in my case), and one other port (which I do not use).
It solves the "CI-V Transceive ON" problem you noted when using N1MM.
It probably solves your need for another port for your Steppir because it has 3 isolated CI-V ports plus the PC port. I don't use that 3rd port, so I can☐t be sure about it connecting to the Steppir.

I encountered the very same problems with the Acom 2000a as you and others have reported here.
Having paid for and was using the K9JM routers, I asked Jim, K9JM, if he had a solution for the problems that I and many of you here have been having getting the ACOM 2000a to work with ICOM gear (the CI-V bus).

There is lots of technical detail that I could write now about how the router solves all the issues, but way too much to type here.
It's all described in the User Guide, more on that below.

The K9JM router accepts all inputs from the devices, passes on commands to the correct device - in the format they need,
and keeps track of everything. For example, because Acom 2000a needs the CI-V Transceive= ON in your radio,
the K9JM router sends that command to ACOM, but not to N1MM, making N1MM think that the CI-V Transceive = OFF in your radio.)
And the K9JM router does so much more...

I worked with Jim for the past year as beta tester on several modifications to Jim's router for the Acom 2000a.
It's all described on his website home page:
http://k9jm.com/CIV_Router/CI-V%20Router.html and in the User Guide.

There's a link on Jim's home page to the User Guide which describes the operation of the router and on page 44, you'll learn more about the Acom 2000a interface.

Obviously, this is quite a detailed issue to describe in a posting on a user group. And I didn't want this to be like a sales pitch - I am obviously a satisfied customer.
But, this is SO powerful a solution for the ACOM 2000a to interface with ICOM radios, I wanted to get the word out.

I will be around to give you my input, but I suggest you start with Jim's website & the User Guide.

73,

Bill, N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, April 29, 2015 11:50 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Hooking Acom 2000a up to Icom 756 Pro III

Bill,

First, thanks for the detailed reply. I also note that you replied directly by email as well, and I□ll respond to that one there.

Thanks for the tip on using □transceiver on/off□ as a way to test the home made cable and the system overall. I□ll try that. If it works, I know I made the cable correctly, anyway. The wire coming from the mini-plug used for CIV is so thin that I know it broke the first time I put the cable together (testing showed that, so I re-made it, but that doesn□t mean it hasn□t broken again while in use).

However, all logging software that I am aware of (I use DX Lab Suite) won□t work correctly with □transceiver on.□ You must use □transceiver off.□ Same for N1MM+, which I use for contest logging, so this won□t work for me. In addition, I am soon to add a Steppir antenna which also needs to tap into the CIV output to know what band/freq to tune itself to, so the problem is going to get worse, not better. I had intended to use a 3 way □Y□ splitter

cable, assuming that the Steppir and Acom 2000a only ☐listened☐ to the CIV bus, so would not interfere by sending to the bus, but apparently that isn☐t the case.

I am exploring other choices. If push comes to shove, I☐ll let the Acom 2000a sense the transmitting freq and make the change and retune by itself. I just don☐t like that idea because, by definition, for however long that takes (1 second or less, they say), the amp is firing into a gross mismatch for the tubes and, over time, that just can☐t be a good thing for the tubes and the amp. I☐d really prefer that the amp follow the rig and retune BEFORE I make the actual decision to transmit on the new frequency.

73, Doug W7ZZ

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5941 / Virus Database: 4339/9659 - Release Date: 04/29/15

6542. Re: (LONG) SOLUTION For Hooking Acom 2000a up to Icom 756 Pro III, IC-78

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-01 03:14:39 UTC
From: W7ZZ
Topic: 6542 Message: 6542

Bill,

First, thanks for taking the time to respond to my inquiries, both on and off line, and especially for this last long, thorough response. It is appreciated.

Second, I have been communicating off list with K9JM and have become convinced, without your most recent endorsement post!, that he is the way to go. Indeed, I have ordered his Acom adjusted CIV router tonight.

His router will solve my problems, both near term and long term. It will hook up the Icom (in my case Pro 3) to the computer, the Acom 2000a and a Steppir, my dream combination. His system uses CIV Transceive On for the Icom, probably what the Icom engineers contemplated to begin with, blocking the "transceive" messages when they are sent to the computer, such that DX Lab Suite and N1MM+ will not be "upset" by receipt of transceive messages that they don't want or like. In other words, it sounds like I can have the best of both worlds. The Icom, Acom amp and Steppir will all be in communication with one another and the computer will also be in communication but not receiving messages it doesn't want or need. The Acom amp will even control the Icom Pro 3 for autotune. What a plus!

I will throw in that Jim K9JM has been emailing me at an incredible rate ever since I first contacted him. I don't think I have ever received better service from anyone, especially considering that I hadn't actually bought a unit from him at the time!

Bill, and Jim, thanks again. I look forward to putting K9JM's Acom modified unit into service in my shack. I will file an updated report after having done so, to let everyone know if this works out as well as I think it will.

73, Doug W7ZZ

6547. ACOM 2000A Connection question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-02 15:33:53 UTC
From: bx4al.bv4oq@...
Topic: 6545 Message: 6547

HELLO

I AM BX4AL. I have Connection question. KENWOOD TS-850 Connection ACOM 2000A.

https://www.asuswebstorage.com/navigate/s/6306D2B8B3C3442B8B714056A6C22783Y
https://www.asuswebstorage.com/navigate/s/6306D2B8B3C3442B8B714056A6C22783Y

Circuit . universal low power NPN transistors . (Do not know the transistors model).....?

Whether can use C1815 transistors......?

THANK YOU BX4AL TONY

6548. Re: ACOM 2000A Connection question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-02 16:15:30 UTC
From: bill.8@...
Topic: 6545 Message: 6548

Hi Tony,

2SC1815 is 50V 150mA NPN transistor.

@5V with 10 KOhm collector load max iC will be 0.005 A so no problem at all.

73
Bill
G4WJS.

6549. Re: ACOM 2000A Connection question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-02 16:15:42 UTC
From: bx4al.bv4oq@...
Topic: 6545 Message: 6549

http://forums.qrz.com/attachment.php?attachmentid=232228&d=1430574085
http://forums.qrz.com/attachment.php?attachmentid=232228&d=1430574085

6550. Re: ACOM 2000A Connection question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-03 01:01:58 UTC
From: bx4al.bv4oq@...
Topic: 6545 Message: 6550

HELLO Bill G4WJS

BILL THANK YOU. Nice to meet you

I understand.C1818 is 50V.transistor..... use low voltage (~ 5 Volt), transistors (NPN) 2N3904

THANK YOU

BX4AL TONY

6551. Re: ACOM 2000A Connection question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-03 08:41:24 UTC
From: bill.8@...
Topic: 6545 Message: 6551

Hi Tony,

50V transistors are fine to use for this application, I only mention the maximum voltage and maximum collector current because they are the limiting parameters in a switching application like this.

I calculate maximum collector current with Ohms Law with 5V across a 10 KOhm collector load:

I = V / R = 5/10000 = 0.005 A

which is safely under the 150 mA maximum for the device.

73
Bill
G4WJS.

6552. ACOM 2000A Internal Mains Measurement Out of Calibration

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 07:07:46 UTC
From: Dennis Vernacchia
Topic: 6552 Message: 6552

This past weekendas our contest club was working the 4 QSO Party Contets I noticed my Filament light was flickering and since this amp is less than 5 years old I knew this was not the problem seen by early ACOM 2000 Owners where the connectors sending power ot the tube filaments were burning up.
I did recall a friend operating in Carribean that had a high line voltage that caused the filament error light to flicker.

I measured the mains with a lab calibrated Fluke DMM and read 240 VAC but the amp was reading 256 VAC at it's contro; head and I checked another ACOM 2000 in shack and it read 242 VAC plugged into same mains receptacle.
I think there is a way to calibrate what the ACOM 2000 sees and send to Control panel.

Anyone have the procedure ?
73, Dennis N6KI

6553. Sv: [acom-list] ACOM 2000A Internal Mains Measurement Out of Calibration

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 07:50:07 UTC
From: ragnar otterstad
Topic: 6552 Message: 6553

Why not ask the factory ?
73 rag la5he

Den Mandag, 4. mai 2015 9.07 skrev "Dennis Vernacchia n6ki_73@... [acom-list]" <acom-list@yahoogroups.com>:

  This past weekendas our contest club was working the 4 QSO Party Contets I noticed my Filament light was flickering and since this amp is less than 5 years old I knew this was not the problem seen by early ACOM 2000 Owners where the connectors sending power ot the tube filaments were burning up.
I did recall a friend operating in Carribean that had a high line voltage that caused the filament error light to flicker.

I measured the mains with a lab calibrated Fluke DMM and read 240 VAC but the amp was reading 256 VAC at it's contro; head and I checked another ACOM 2000 in shack and it read 242 VAC plugged into same mains receptacle.
I think there is a way to calibrate what the ACOM 2000 sees and send to Control panel.

Anyone have the procedure ?
73, Dennis N6KI

6554. A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 11:24:34 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6554

Looking to make an extender of around 30 feet (10m) to place the amp far away. Anyone else tried this?

Callum M0MCX.

6555. RE: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 11:50:32 UTC
From: N2TK, Tony
Topic: 6554 Message: 6555

My extender cable is about 12'. No problems with that length.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 7:25 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] A2000 control lead length

Looking to make an extender of around 30 feet (10m) to place the amp far
away. Anyone else tried this?

Callum M0MCX.

6556. Re: [acom-list] ACOM 2000A Internal Mains Measurement Out of Calibration

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 15:00:41 UTC
From: Rick ve3mm
Topic: 6552 Message: 6556

Hi Dennis

I understand your problems with your 2000A as I have experienced the same problems about a year ago. It started out as the flickering filament light. My line voltage was in the 240 VAC area and the amp was reading it as approximately 255 volts. The situation degraded over a couple of months and finally the amp would fail every time on startup at the 137 second mark with the display reading "Heater Current Too High 4.3 A".

At the time, I received technical assistance from the factory and from Array Solutions. I was very satisfied with the technical help provided by both parties.

After review, I believed my problems were related to degrading electrolytic capacitors in the analog to digital conversion instrumentation section of the amplifier or a bad trimmer potentiometer. At the time I opened the amp up and checked the caps in situ and did not find any that indicated high ESR with the instrumentation that I have on hand. I also did not find any bad trimmer pots.

I did a kludge repair by following the instrumentation alignment procedures supplied by the factory and adjusted the main A-D span, incoming voltage monitor and heater current monitor to bring the readings within spec. The amp worked fine all last winter through a bunch of contests, but is now back at the startup failure point again.

Once I get some time I will put the amp back on the workbench with the resolve to fix it right this time. At the moment I am sourcing some spare tubes so that I can confirm that it is not actually a bad tube problem.

If you decide to tackle your problems yourself please take care as some of the voltages in the amp can be lethal and you must put safety first. If you do get it repaired please share the solution so that I and others can benefit from your experience.

I can share my technical information on the amp with you if you need it.

73

Rick ve3mm

On Mon, May 4, 2015 at 3:07 AM, Dennis Vernacchia n6ki_73@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>

> This past weekendas our contest club was working the 4 QSO Party Contets I
> noticed my Filament light was flickering and since this amp is less than 5
> years old I knew this was not the problem seen by early ACOM 2000 Owners
> where the connectors sending power ot the tube filaments were burning up.
>
> I did recall a friend operating in Carribean that had a high line voltage
> that caused the filament error light to flicker.
>
> I measured the mains with a lab calibrated Fluke DMM and read 240 VAC but
> the amp was reading 256 VAC at it's contro; head and I checked another ACOM
> 2000 in shack and it read 242 VAC plugged into same mains receptacle.
>
> I think there is a way to calibrate what the ACOM 2000 sees and send to
> Control panel.
>
> Anyone have the procedure ?
>
> 73, Dennis N6KI
>
>
>

6557. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 17:59:28 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6557

Thanks Tony.

Incidentally, I'm thinking of placing the amp in a barn next door along with a DX Engineering coax switch.

I'm worried about the fact that the temperature range and the general humidity variations might not be good for it. I mean it's an old barn - but with a new roof. No heating, nothing.

?

Callum McCormick
Founder
-barclayjames.co.uk<http://barclayjames.co.uk>
-barclayanderson.com<http://barclayanderson.com>

I'm on iPhone, message might be short.

On 4 May 2015, at 12:50, 'N2TK, Tony' tony.kaz@verizon.net<mailto:tony.kaz@...>
[acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

My extender cable is about 12'. No problems with that length.
N2TK, Tony

From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 7:25 AM
To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
Subject: [acom-list] A2000 control lead length

Looking to make an extender of around 30 feet (10m) to place the amp far away. Anyone else tried this?

Callum M0MCX.

6558. RE: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 18:59:20 UTC
From: N2TK, Tony
Topic: 6554 Message: 6558

Well, cold shouldn't be an issue. But humidity and high heat could be an issue. Also dust.

Consider adding the external fan with a good filter on it. I cut mine out of furnace filters and change twice a year.

GL

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 1:59 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] A2000 control lead length

Thanks Tony.

Incidentally, I'm thinking of placing the amp in a barn next door along with a DX Engineering coax switch.

I'm worried about the fact that the temperature range and the general humidity variations might not be good for it. I mean it's an old barn - but with a new roof. No heating, nothing.

?

Callum McCormick

Founder

-barclayjames.co.uk

-barclayanderson.com

I'm on iPhone, message might be short.

On 4 May 2015, at 12:50, 'N2TK, Tony' tony.kaz@... [acom-list] <acom-list@yahoogroups.com> wrote:

My extender cable is about 12'. No problems with that length.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 7:25 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] A2000 control lead length

Looking to make an extender of around 30 feet (10m) to place the amp far away. Anyone else tried this?

Callum M0MCX.

6559. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 20:35:47 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6559

Dust isn't too bad since the barn is WW2 vintage made of concrete, steel and brick. Some holes here and there but almost weather proof, certainly good enough.

It's the humidity and cold that worries me in the winter.. Won't the internals corrode? I sometimes wish I had taken more notice of my elmer!

Furnace filter.. We don't call anything in the UK a "furnace". We do have central heating boilers, mostly powered by gas. Is that what you mean? I see there are air-con filters available. I'll buy a couple.

Finally, what's you opinion of dust getting in the top of the tubes? That's probably the killer for me.

BTW, the only reason I'm relocating the amp is that the shack is only 7 feet x 8 feet and set up for two of us. The Acom would heat us up too much. Need it out the shack.

If anyone else has ideas, feel free to poke me.

Callum.

I'm on iPhone, message might be short.

On 4 May 2015, at 19:59, 'N2TK, Tony' tony.kaz@...<mailto:tony.kaz@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

Well, cold shouldn't be an issue. But humidity and high heat could be an issue. Also dust. Consider adding the external fan with a good filter on it. I cut mine out of furnace filters and change twice a year.
GL
N2TK, Tony

From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 1:59 PM
To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
Subject: Re: [acom-list] A2000 control lead length

Thanks Tony.

Incidentally, I'm thinking of placing the amp in a barn next door along with a DX Engineering coax switch.

I'm worried about the fact that the temperature range and the general humidity variations might not be good for it. I mean it's an old barn - but with a new roof. No heating, nothing.

?

Callum McCormick
Founder
-barclayjames.co.uk<http://barclayjames.co.uk>
-barclayanderson.com<http://barclayanderson.com>

I'm on iPhone, message might be short.

On 4 May 2015, at 12:50, 'N2TK, Tony' tony.kaz@...<mailto:tony.kaz@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

My extender cable is about 12'. No problems with that length.
N2TK, Tony

From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 7:25 AM
To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
Subject: [acom-list] A2000 control lead length

Looking to make an extender of around 30 feet (10m) to place the amp far away. Anyone else tried this?

Callum M0MCX.

6560. RE: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 21:15:37 UTC
From: N2TK, Tony
Topic: 6554 Message: 6560

Callum,

The air filters I am talking about are used over here to filter the air as it is circulated through the house.

If humidity is high things inside will corrode. Here in New York we don't need to worry about humidity in the winter. But in the summer the humidity gets very bad. Air conditioning in the house and a dehumidifier in the basement keep it to a tolerable level that doesn't corrode things.

Take two pieces of paper that cover the tube exhausts. Tape on one side to hold the paper in place. When you turn on the amp the air will push the paper up to minimize interference with air flow. When you turn off the amp the paper will go flat covering the exhaust holes.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 4:36 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] A2000 control lead length

Dust isn't too bad since the barn is WW2 vintage made of concrete, steel and brick. Some holes here and there but almost weather proof, certainly good enough.

It's the humidity and cold that worries me in the winter.. Won't the internals corrode? I sometimes wish I had taken more notice of my elmer!

Furnace filter.. We don't call anything in the UK a "furnace". We do have central heating boilers, mostly powered by gas. Is that what you mean? I see there are air-con filters available. I'll buy a couple.

Finally, what's you opinion of dust getting in the top of the tubes? That's probably the killer for me.

BTW, the only reason I'm relocating the amp is that the shack is only 7 feet x 8 feet and set up for two of us. The Acom would heat us up too much. Need it out the shack.

If anyone else has ideas, feel free to poke me.

Callum.

I'm on iPhone, message might be short.

On 4 May 2015, at 19:59, 'N2TK, Tony' tony.kaz@... [acom-list] <acom-list@yahoogroups.com> wrote:

Well, cold shouldn't be an issue. But humidity and high heat could be an issue. Also dust.

Consider adding the external fan with a good filter on it. I cut mine out of furnace filters and change twice a year.

GL

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 1:59 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] A2000 control lead length

Thanks Tony.

Incidentally, I'm thinking of placing the amp in a barn next door along with a DX Engineering coax switch.

I'm worried about the fact that the temperature range and the general humidity variations might not be good for it. I mean it's an old barn - but with a new roof. No heating, nothing.

?

Callum McCormick

Founder

-barclayjames.co.uk

-barclayanderson.com

I'm on iPhone, message might be short.

On 4 May 2015, at 12:50, 'N2TK, Tony' tony.kaz@... [acom-list] <acom-list@yahoogroups.com> wrote:

My extender cable is about 12'. No problems with that length.

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 7:25 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] A2000 control lead length

Looking to make an extender of around 30 feet (10m) to place the amp far away. Anyone else tried this?

Callum M0MCX.

6561. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 22:02:32 UTC
From: Mike Harris
Topic: 6554 Message: 6561

How about some tumble drier or kitchen extractor duct over the tube holes connected to an extractor fan. Draw the heat outside or maybe out of the room into the rest of the house.

At the old hf TX station here two of the 7.5kW amps were ducted outside but the ducting had a flap that could be opened to block the duct and allow the hot air into the TX hall when we needed extra heating in the winter. On one occasion one of the ducts was carelessly left through to the outside overnight when the station shut down and we had high wind and snow. The snow packed into the tube chimney. That caused some long delay fault issues.

Regards,

Mike VP8NO

On 04/05/2015 17:35, Callum the Web Boss callum@...
[acom-list] wrote:

> BTW, the only reason I'm relocating the amp is that the shack is only 7 feet x 8 feet and set up for two of us. The Acom would heat us up too much. Need it out the shack.
>
> If anyone else has ideas, feel free to poke me.
>
> Callum.

6562. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 23:21:11 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6562

Great idea about the paper. I'll find something "heat proof".

Callum McCormick
Founder
-barclayjames.co.uk<http://barclayjames.co.uk>
-barclayanderson.com<http://barclayanderson.com>

I'm on iPhone, message might be short.

On 4 May 2015, at 22:15, 'N2TK, Tony' tony.kaz@...<mailto:tony.kaz@verizon.net>
[acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

Callum,

The air filters I am talking about are used over here to filter the air as it is circulated through the house.

If humidity is high things inside will corrode. Here in New York we don't need to worry about humidity in the winter. But in the summer the humidity gets very bad. Air conditioning in the house and a dehumidifier in the basement keep it to a tolerable level that doesn't corrode things.

Take two pieces of paper that cover the tube exhausts. Tape on one side to hold the paper in place. When you turn on the amp the air will push the paper up to minimize interference with air flow. When you turn off the amp the paper will go flat covering the exhaust holes.

73,
N2TK, Tony

From: acom-list@...m<mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 4:36 PM
To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
Subject: Re: [acom-list] A2000 control lead length

Dust isn't too bad since the barn is WW2 vintage made of concrete, steel and brick. Some holes here and there but almost weather proof, certainly good enough.

It's the humidity and cold that worries me in the winter.. Won't the internals corrode? I sometimes wish I had taken more notice of my elmer!

Furnace filter.. We don't call anything in the UK a "furnace". We do have central heating boilers, mostly powered by gas. Is that what you mean? I see there are air-con filters available. I'll buy a couple.

Finally, what's you opinion of dust getting in the top of the tubes? That's probably the killer for me.

BTW, the only reason I'm relocating the amp is that the shack is only 7 feet x 8 feet and set up for two of us. The Acom would heat us up too much. Need it out the shack.

If anyone else has ideas, feel free to poke me.

Callum.

I'm on iPhone, message might be short.

On 4 May 2015, at 19:59, 'N2TK, Tony' tony.kaz@...<mailto:tony.kaz@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

Well, cold shouldn't be an issue. But humidity and high heat could be an issue. Also dust. Consider adding the external fan with a good filter on it. I cut mine out of furnace filters and change twice a year.
GL
N2TK, Tony

From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 1:59 PM
To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
Subject: Re: [acom-list] A2000 control lead length

Thanks Tony.

Incidentally, I'm thinking of placing the amp in a barn next door along with a DX Engineering coax switch.

I'm worried about the fact that the temperature range and the general humidity variations might not be good for it. I mean it's an old barn - but with a new roof. No heating, nothing.

?

Callum McCormick
Founder
-barclayjames.co.uk<http://barclayjames.co.uk>
-barclayanderson.com<http://barclayanderson.com>

I'm on iPhone, message might be short.

On 4 May 2015, at 12:50, 'N2TK, Tony' tony.kaz@...<mailto:tony.kaz@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

My extender cable is about 12'. No problems with that length.
N2TK, Tony

From: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com]
Sent: Monday, May 04, 2015 7:25 AM
To: acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>
Subject: [acom-list] A2000 control lead length

Looking to make an extender of around 30 feet (10m) to place the amp far away. Anyone else tried this?

Callum M0MCX.

6563. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-04 23:22:17 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6563

Haha. Mike, good point. I have some spare aluminium ducting. I'll double think my plan...

Callum McCormick
Founder
-barclayjames.co.uk
-barclayanderson.com

I'm on iPhone, message might be short.

On 4 May 2015, at 23:02, Mike Harris mike.harris@... [acom-list]
<acom-list@yahoogroups.com> wrote:

How about some tumble drier or kitchen extractor duct over the tube
holes connected to an extractor fan. Draw the heat outside or maybe out
of the room into the rest of the house.

At the old hf TX station here two of the 7.5kW amps were ducted outside
but the ducting had a flap that could be opened to block the duct and
allow the hot air into the TX hall when we needed extra heating in the
winter. On one occasion one of the ducts was carelessly left through to
the outside overnight when the station shut down and we had high wind
and snow. The snow packed into the tube chimney. That caused some long
delay fault issues.

Regards,

Mike VP8NO

On 04/05/2015 17:35, Callum the Web Boss callum@...
[acom-list] wrote:

> BTW, the only reason I'm relocating the amp is that the shack is only 7 feet x 8 feet and
set up for two of us. The Acom would heat us up too much. Need it out the shack.
>
> If anyone else has ideas, feel free to poke me.
>
> Callum.

Yahoo Groups Links

6564. Re: A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 18:37:37 UTC
From: Skip Guenter
Topic: 6554 Message: 6564

Relocating to a barn... ?? I'd think the humidity would kill it within
a few of years.

1) http://en.wikipedia.org/wiki/Furnace#Forced-air

2) Why not just vent the amp's exhaust out of the room using some dryer
hose (http://en.wikipedia.org/wiki/Clothes_dryer)?

http://www.homedepot.com/p/Dundas-Jafine-ProFlex-Dryer-to-Duct-Connector-Kit-TD48D2DZW/202449695?cm_mmc=shopping-_-googleads-_-pla-_-202449695&ci_sku=202449695&ci_gpa=pla&ci_src=17588969&gclid=CjwKEAjw1KGqBRC55bru-sa7zCcSJAAxsBf5B6wAgpJKEu0laFnLnOjgC-c8po1MG3kjk5kgdyYnVxoChvbw_wcB

Maybe adding a exhaust fan to it
(http://www.homedepot.com/p/Suncourt-Inductor-4-in-In-Line-Duct-Fan-DB204/100073963).

--
S. R. 'Skip' Guenter, K5SRG/
/

6565. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 19:10:43 UTC
From: Ira Neal
Topic: 6554 Message: 6565

Dryer duck pipe the heat outside
Ke4ex
On May 4, 2015 4:35 PM, "Callum the Web Boss callum@...
[acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> Dust isn't too bad since the barn is WW2 vintage made of concrete, steel
> and brick. Some holes here and there but almost weather proof, certainly
> good enough.
>
> It's the humidity and cold that worries me in the winter.. Won't the
> internals corrode? I sometimes wish I had taken more notice of my elmer!
>
> Furnace filter.. We don't call anything in the UK a "furnace". We do
> have central heating boilers, mostly powered by gas. Is that what you mean?
> I see there are air-con filters available. I'll buy a couple.
>
> Finally, what's you opinion of dust getting in the top of the tubes?
> That's probably the killer for me.
>
> BTW, the only reason I'm relocating the amp is that the shack is only 7
> feet x 8 feet and set up for two of us. The Acom would heat us up too much.
> Need it out the shack.
>
> If anyone else has ideas, feel free to poke me.
>
> Callum.
>
> I'm on iPhone, message might be short.
>
> On 4 May 2015, at 19:59, 'N2TK, Tony' tony.kaz@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>
>
>
> Well, cold shouldn’t be an issue. But humidity and high heat could be an
> issue. Also dust.
>
> Consider adding the external fan with a good filter on it. I cut mine out
> of furnace filters and change twice a year.
>
> GL
>
> N2TK, Tony

>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com
> <acom-list@yahoogroups.com>]
> *Sent:* Monday, May 04, 2015 1:59 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] A2000 control lead length
>
>
>
>
>
> Thanks Tony.
>
>
>
> Incidentally, I'm thinking of placing the amp in a barn next door along
> with a DX Engineering coax switch.
>
>
>
> I'm worried about the fact that the temperature range and the general
> humidity variations might not be good for it. I mean it's an old barn - but
> with a new roof. No heating, nothing.
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>
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>
> Callum McCormick
>
> Founder
>
> -barclayjames.co.uk
>
> -barclayanderson.com
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> acom-list@yahoogroups.com> wrote:
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>
>
> My extender cable is about 12’. No problems with that length.
>

> N2TK, Tony
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com
> <acom-list@yahoogroups.com>]
> *Sent:* Monday, May 04, 2015 7:25 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* [acom-list] A2000 control lead length
>
>
>
>
>
> Looking to make an extender of around 30 feet (10m) to place the amp far
> away. Anyone else tried this?
>
> Callum M0MCX.
>
>
>

6566. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 19:21:45 UTC
From: hdskullfire2@...
Topic: 6554 Message: 6566

Why is this conversation so far off topic..???

I'm not a moderator here, but I am elsewhere.. Please start a new conversation if you wish to continue this thread. Otherwise discuss the Control lead length only...

Steve NS3L...

6567. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 19:35:22 UTC
From: Ira Neal
Topic: 6554 Message: 6567

Steve if your not the moderator then your off topic. Thats the very reason guys quit.
Not your monkey not your circuis.
Ira ke4ex
On May 5, 2015 3:21 PM, "hdskullfire2@... [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> Why is this conversation so far off topic..???
>
> I'm not a moderator here, but I am elsewhere.. Please start a new
> conversation if you wish to continue this thread. Otherwise discuss the
> Control lead length only...
>
> Steve NS3L...
>
>

6568. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 22:24:16 UTC
From: w7zz@...
Topic: 6554 Message: 6568

As for putting amp in unheated barn, see the Caution immediately following paragraph 3 on page 12 of the amp manual.

W7ZZ

6569. Re: [acom-list] Re: A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 22:31:40 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6569

Indeed Skip, you and the others have convinced me! :)

Callum M0MCX

6570. Re: [acom-list] A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-05 22:38:28 UTC
From: Callum the Web Boss
Topic: 6554 Message: 6570

Ah, the manual. I always forget to check amp placement in the manual. However, thanks for pointing that out.

Kind regards,

Callum.

I'm on iPhone, message might be short.

On 5 May 2015, at 23:28, w7zz@...<mailto:w7zz@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

As for putting amp in unheated barn, see the Caution immediately following paragraph 3 on page 12 of the amp manual.

W7ZZ

6571. Re: Sv: [acom-list] ACOM 2000A Internal Mains Measurement Out of Calibra

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-06 01:45:16 UTC
From: Jay Terleski
Topic: 6571 Message: 6571

The mains adjustment is a screwdriver adjustment.
Take front panel off and find the silkscreen for the Mains Pot. Adjust it down. The filament measurement is also a screwdriver adjustment on another silk screened pot. But it is recommended to actually measure the filament voltage to know what you should adjust it too. I have a procedure with pictures to show all the interface card adjustments.

Jay Terleski
Array Solutions
214 954 7140

6572. Re: A2000 control lead length

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-06 20:32:58 UTC
From: Skip Guenter
Topic: 6554 Message: 6572
Attachments: 1 described; binary payloads are missing from this source WARC

A few things...

1) The relocation to barn (due to heat) I thought WAS the original topic of control lead length.

2) Callum, I didn't see all the responses that were so close to mine so if I seemed to be "piling on" my apologies.

3) Callum, One other option might be to relocated the A-2K to my house in exchange for my A-1K into which I'll drop a few desiccant packages out of medicine bottles into. ;-)

4) Callum, Wow, What a contrast! TS-990S & A-2K -vs- an FT splatter box & 811As micro grid tubes!

As ya'll say...

Cherrios Box

--
S. R. 'Skip' Guenter, K5SRG
/3905cc 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6573. RE: [acom-list] xformr fail

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-11 11:03:59 UTC
From: Kees - pa7two
Topic: 6510 Message: 6573

This might help: To avoid dust build-up, I use a compressed air pistol and air-spray out any obvious dust particles from the Acoms once a year or so.

In case humidity comes to play, that is a different ball-game as the dust sticks to the fan blades and other amplifier components... These fan-blades and other internal components needs to be cleaned likely twice a year?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 17 Apr 2015 17:07:41 -0400
Subject: Re: [acom-list] xformr fail

NP Skip
I've had only excellent service from Array, Acom Int. and Acom Bg so no complaints there. I just reckon that you don't want to be the guy with a busted transformer. Even replacing a couple boards on the other unit didn't come close to the cost of a transformer. It's even worse than replacing the tube but of course nothing happens without it.
And yes I reckon it wasn't the load at the time so all those years of high temps and high humidity must have taken its toll.
In fact as I think about it now I also had a couple FT1kmp's and eventually when they failed, I was told that their fan(s) contributed to the problem by directing the (moist, humid) air over a part of the RF Unit Board while air was only required by the PA Unit. The tech built some protective ducts to shield the RF Unit while deflecting the air towards and into the PA Unit.
This memory makes me realise that on the failed A1000 I did have the extra fan running continuously. This obviously increases air flow and (on reflection) may have accelerated the problem. My other older A1000 did not have the extra fan fitted and its transformer is still doing well. Can't conclude the fan contributed of course but its something to consider. It's not really essential but at the time I just figured the more the merrier in terms of air flow.
I will disable that fan and try to get a sense especially when running rtty if I can do without it.
73's, Dean - 8P6SH

Dean St.Hill

Barbados.JustAskLocals.comIt's A Big World. Travel Smarter

17 Ocean City
St.PhilipBarbados
246-825-2039246-416-5277
dmsthill@...

On Fri, Apr 17, 2015 at 2:36 PM, Skip Guenter sguenter@... [acom-list]
<acom-list@yahoogroups.com> wrote:

Dean - 8P6SH,

EXCELLENT summary. Thank you very much for the detail.

Yea, 8 years on a 2nd hand ACOM and an apparently infrequent issue raises it's ugly head, I might be drawn to the same conclusion. I might also think well I'll get a A-1.5K and still run it at the same level as I was running the A-1K but we all know how that can creep up on ya ;-) However, it doesn't sound like the fail had anything to do with the load at the time.

In the past if I got 2~4 years on an older used amp before having to do 'something' I figured I was ahead in the game. A transformer is a biggie though.

I had a LK500-ZC that had at one time been diagnosed as needing a new filament transformer. To replace just that part with the correct Peter Dahl would've been > 350 USD + shipping. Fortunately it turned out that was not the problem but I did sell it at a loss with 80m not working right and told the guy it had a problem. It turned out to be a combo of an incorrect padding cap and a not well soldered ground in the RF section and he had the 80m problem fixed in a few days. It also turned out to have an 'extra' cap somebody had put into the input tuning circuit on 160m that was causing a high input SWR on that band... another cheap fix and he's got it up and running. I'd never run 160m on it so had never looked at that. Turns out those two old 1978 Eimacs can still key down ~1400W out. I'm glad for him. It cost me about 300 USD to run it for a couple years at a time when I couldn't have afforded anything more than a $650 amp.

BTW, Anybody need a brand new, still in the box, pair of 'RF Parts' brand (3yr) matched 3-500Z tubes? Or a single and I'll keep one as a spare for the ol' AL-80A.

Again, Thanx Dean

Skip

--

S. R. 'Skip' Guenter, K5SRG

6576. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-11 19:42:58 UTC
From: Ira Neal
Topic: 6576 Message: 6576

Wow,
That sounds kool.
Got mine last month, it is coal black back ground, bright lime green easy to read across the room letters/numbers.
It appears their experimenting.
73
Ira ke4ex

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 2:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 new display panel?

I just received a new Acom 1000 last week. I noticed the display was nothing like all of the pictures I've seen with the pale greenish flourescent displays. Mine came with a coal black background and bright yellow LED digits. The contrast and brightness controls have no affect that I could tell. However, it is just gorgeous!! Bright, clear, sharp, easy to read digits. Like neon signs on the Vegas strip at night. No moving your head side to side or up and down to get a good read on the displayed digits. I have not read anywhere where and when the displays were changed. Does anyone here know? Vastly better display which eliminates any eye strain. Happy happy :-)

*´¨)
¸.•´¸.•*´¨) ¸.•*¨)
(¸.•´ (¸.•` Gary
Best Regards
KE4EX

6577. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-11 21:54:20 UTC
From: <wb5jhy@...>
Topic: 6576 Message: 6577

Ira,

Well, maybe lime green. Seems definitely yellow to me but I have old eyes. The "Acom 1000" letters in bright yellow (or lime green) on black background looks so nice I hate to shut off the mains. :-)

It reverses on data screen. Bright background with black letters and symbols. So easy to read. Like it a lot.

Tom
WB5JHY

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 2:42 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

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(¸.•´ (¸.•` Gary
Best Regards
KE4EX

6578. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-11 23:44:24 UTC
From: Ira Neal
Topic: 6576 Message: 6578

Tom
Well my favorite is the triple auto protect computer system,
I just want to kiss it. Whoa, well maybe not.
Ira

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 5:54 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

☐

Ira,

Well, maybe lime green. Seems definitely yellow to me but I have old eyes. The "Acom 1000" letters in bright yellow (or lime green) on black background looks so nice I hate to shut off the mains. :-)

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Tom
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From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 2:42 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

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To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 new display panel?

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Best Regards
KE4EX

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(¸.•´ (¸.•` Gary
Best Regards
KE4EX

6579. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 01:50:27 UTC
From: <wb5jhy@...>
Topic: 6576 Message: 6579

Ira,

Correction on the display. It stays black background with bright yellow letters and symbols even on data screens. Even better.

Yeah, triple protection system is one fine feature. Forgot to switch the band switch a couple times from being too use to an auto tune amp. It just sits there, no faults, no trip out. No power out either, duh!

Haven't tripped it yet but I'm sure it will happen one day. :-(

I have recorded about three or four band segments per band and the tune numbers are so close just going buy the numbers I don't bother to final tune. Forty to fifty in gets me 800-900 out. Made 55 dx contacts the first night and most were first call contacts. No new countries but still fun to get through the pile ups.

Enjoy the amp buddy.

Tom

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 6:44 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

Tom
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I just want to kiss it. Whoa, well maybe not.
Ira

From: wb5jhy@... [acom-list]
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To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

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Best Regards
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Best Regards
KE4EX

6580. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 11:05:18 UTC
From: Ira Neal
Topic: 6576 Message: 6580

Tom,
LOL yea, I had to go take a double look at my LED, mine too stays black back ground, thought for a minute I might have missed something. I can't recall how many amps I have had, this one is really really a great amp, did look at the 1500 but for the money, I am very pleased.

I run my FT 2000 with the menu at 50 watts.
I get 850 out from the A1000.
I have yet to have to call some one twice, the amp is a
winner for sure. Just sold my THP 1.5, I thought I would miss the auto band change, after a month , nope.
Note:

Hey BTW, you might have found this site, a lot of great information on the A 1000
http://www.gmdx.org.uk/page-1671106

73 my friend
Ira

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 9:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

☐

Ira,

Correction on the display. It stays black background with bright yellow letters and symbols even on data screens. Even better.

Yeah, triple protection system is one fine feature. Forgot to switch the band switch a couple times from being too use to an auto tune amp. It just sits there, no faults, no trip out. No power out either, duh!

Haven't tripped it yet but I'm sure it will happen one day. :-(

I have recorded about three or four band segments per band and the tune numbers are so close just going buy the numbers I don't bother to final tune. Forty to fifty in gets me 800-900 out. Made 55 dx contacts the first night and most were first call contacts. No new countries but still fun to get through the pile ups.

Enjoy the amp buddy.

Tom

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]

To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 6:44 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

Tom
Well my favorite is the triple auto protect computer system,
I just want to kiss it. Whoa, well maybe not.
Ira

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 5:54 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

□

Ira,

Well, maybe lime green. Seems definitely yellow to me but I have old eyes. The "Acom 1000" letters in bright yellow (or lime green) on black background looks so nice I hate to shut off the mains. :-)

It reverses on data screen. Bright background with black letters and symbols. So easy to read. Like it a lot.

Tom
WB5JHY

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 2:42 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

Wow,
That sounds kool.
Got mine last month, it is coal black back ground, bright lime green easy to read across the room letters/numbers.
It appears their experimenting.
73
Ira ke4ex

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 2:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 new display panel?

I just received a new Acom 1000 last week. I noticed the display was nothing like all of the pictures I've seen with the pale greenish flourescent displays. Mine came with a coal black background and bright yellow LED digits. The contrast and brightness controls have no affect that I could tell. However, it is just gorgeous!! Bright, clear, sharp, easy to read digits. Like neon signs on the Vegas strip at night. No moving your head side to side or up and down to get a good read on the displayed digits. I have not read anywhere where and

when the displays were changed. Does anyone here know? Vastly better display which eliminates any eye strain. Happy happy :-)

*´¨)
¸.•´¸.•*´¨) ¸.•*¨)
(¸.•´ (¸.•` Gary
Best Regards
KE4EX

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Best Regards
KE4EX

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¸.•´¸.•*´¨) ¸.•*¨)
(¸.•´ (¸.•` Gary
Best Regards
KE4EX

[Non-text portions of this message have been removed]

6581. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 11:46:27 UTC
From: <wb5jhy@...>
Topic: 6576 Message: 6581

Ira,

Some great info on the site you sent. I've seen the page before but it was while searching for general info on the 1000 before I made a purchase. Didn't have the page marked.

Hey, one other question. Have you checked the power readings with an external watt meter? I have a couple of LP 100A meters and both show the output to be at least 10% or more higher than the Acom digital meter. That goes for both the Acom 1000 and the Acom 2000A. Checked with both meters. Both read higher. Going to send them in for calibration. Emailed Larry at LP and he asked me to wait until he gets back from Dayton. Just curious if you have checked yours.

Thanks,
Tom

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Tuesday, May 12, 2015 6:05 AM
Subject: Re: [acom-list] Acom 1000 new display panel?

Tom,
LOL yea, I had to go take a double look at my LED, mine too stays black back ground, thought for a minute I might have missed something. I can't recall how many amps I have had, this one is really really a great amp, did look at the 1500 but for the money, I am very pleased.

I run my FT 2000 with the menu at 50 watts.
I get 850 out from the A1000.
I have yet to have to call some one twice, the amp is a
winner for sure. Just sold my THP 1.5, I thought I would miss the auto band change, after a month , nope.
Note:

Hey BTW, you might have found this site, a lot of great information on the A 1000
http://www.gmdx.org.uk/page-1671106

73 my friend
Ira

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 9:50 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

☐

Ira,

Correction on the display. It stays black background with bright yellow letters and symbols even on data screens. Even better.

Yeah, triple protection system is one fine feature. Forgot to switch the band switch a couple times from being too use to an auto tune amp. It just sits there, no faults, no trip out. No power out either, duh!

Haven't tripped it yet but I'm sure it will happen one day. :-(

I have recorded about three or four band segments per band and the tune numbers are so close just going buy the numbers I don't bother to final tune. Forty to fifty in gets me 800-900 out. Made 55 dx contacts the first night and most were first call contacts. No new countries but still fun to get through the pile ups.

Enjoy the amp buddy.

Tom

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 6:44 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

Tom
Well my favorite is the triple auto protect computer system,
I just want to kiss it. Whoa, well maybe not.
Ira

From: wb5jhy@... [acom-list]
Sent: Monday, May 11, 2015 5:54 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

□

Ira,

Well, maybe lime green. Seems definitely yellow to me but I have old eyes. The "Acom 1000" letters in bright yellow (or lime green) on black background looks so nice I hate to shut off the mains. :-)

It reverses on data screen. Bright background with black letters and symbols. So easy to read. Like it a lot.

Tom
WB5JHY

----- Original Message -----
From: 'Ira Neal' grassybranch@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Monday, May 11, 2015 2:42 PM
Subject: Re: [acom-list] Acom 1000 new display panel?

Wow,
That sounds kool.
Got mine last month, it is coal black back ground, bright lime green easy to read across the room letters/numbers.
It appears their experimenting.
73
Ira ke4ex

From: wb5jhy@bellsouth.net [acom-list]
Sent: Monday, May 11, 2015 2:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 new display panel?

I just received a new Acom 1000 last week. I noticed the display was nothing like all of the pictures I've seen with the pale greenish flourescent displays. Mine came with a coal black background and bright yellow LED digits. The contrast and brightness controls have no affect that I could tell. However, it is just gorgeous!! Bright, clear, sharp, easy to read digits. Like neon signs on the Vegas strip at night. No moving your head side to side or up and down to get a good read on the displayed digits. I have not read anywhere where and when the displays were changed. Does anyone here know? Vastly better display which eliminates any eye strain. Happy happy :-)

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(¸.•´ (¸.•` Gary
Best Regards
KE4EX

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(¸.•´ (¸.•` Gary
Best Regards
KE4EX

[Non-text portions of this message have been removed]

6583. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 14:35:48 UTC
From: Ira Neal
Topic: 6576 Message: 6583

Got mine last month, shipped ,oaid the extra 50 to be load tested all bands, plug, complete set up.
send me the link let me double check the led color.

From: wb5jhy@... [acom-list]
Sent: Tuesday, May 12, 2015 9:55 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 new display panel?

Ira,

Hey, I finally saw an ad on DX Engineering site that shows the new display. Also, shows the new price of $2489.95 !!!!! Hope you got the new lower price. I paid a nickle more at Array Solutions. They are always high over there :-) (no offense Jay). I hope he's bringing a good stock of them to Dayton.

Tom
WB5JHY

*´¨)
¸.•´¸.•*´¨) ¸.•*¨)
(¸.•´ (¸.•` Gary
Best Regards
KE4EX

6584. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 19:25:11 UTC
From: radiok7jq@...
Topic: 6576 Message: 6584

Tom,

I did some comparisons with my Acom 1000 LCD readouts vs an Elecraft W2 wattmeter. The wattmeter has a computer program readout, so I actually see digital numbers, not just LEDs. Accuracy of the W2...?? "factory calibrated".
Results (14.020 MHz):

Acom 1000 Elecraft W2

Forward Power 1,001W 1,083W Acom 7.5% Lower
Reflected Power 31W 31W
Drive Power 55W 60W Acom 7.5% Lower
VSWR 1.4:1 1.4:1

I've had my amp for one year, and just got it back from repair (CPU board) at Array Solutions, and they also re-calibrated the meter to their PowerMaster II readings. Before I sent it in, the amp was reading about 6% Higher than the W-2 on Forward Power. Again, I don't know how accurate the W2 is, but I imagine the LP-100A and PowerMaster II are more precision. I've heard from others that the Acom 1000 power readings are a bit "generous", but after the re-calibration, mine went from "generous" to "stingy", according to my W2. Just my findings, for what it's worth.

73,

Bob K7JQ

6585. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 20:35:43 UTC
From: wb5jhy@...
Topic: 6576 Message: 6585

Here is the link at DX Eng.

ACOM 1000 HF + 6 Meter Linear Amplifiers 1000 http://www.dxengineering.com/parts/aom-1000

http://www.dxengineering.com/parts/aom-1000

ACOM 1000 HF + 6 Meter Linear Amplifiers 1000 http://www.dxengineering.com/parts/aom-1000
ACOM 1000 HF + 6 Meter Linear Amplifiers are the world's best value in an Amateur HF amplifier. These amps provide you a comfortable 1,000 watts output o...

View on www.dxengineering... http://www.dxengineering.com/parts/aom-1000
Preview by Yahoo

6586. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 20:47:20 UTC
From: wb5jhy@...
Topic: 6576 Message: 6586

Bob,

Thanks. I don't know what to think about meter accuracy anymore. I have the Alpha 4510, and a couple LP 100A's. The Alpha 9500 meter is very generous compared to the LP 100A. The 4510 and onboard 9500 meter match up so so. The meters on the Acom 2000A and Acom 1000 are about 10% under what the LP shows. Bought the LP's used so don't know really if they have been "monkeyed" with so Larry will re-calibrate them when he gets back from Dayton. Trying to sell my 9500 because it's been said that I have too many amps. Just sold the Alpha 78 a couple weeks ago along with two tranceivers and I wouldn't want it to be said I have too much money laying around. ;-)

Tom

6587. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 20:56:33 UTC
From: wb5jhy@...
Topic: 6576 Message: 6587

Ira,

I looked at the 1500 too. Too many coins for the bang. I wish they made a manual tune with two Gu74b tubes for that price. I would have gone for that. I already have a healthy stock of good tubes and it would be nice to have a primary amp and backup that take the same tube like the 2000A and 1000. A legal limit manual amp using the same tubes would be worth the $4K I think. Alpha's 8410 is at $5K so it would be very competitive. Be my bad luck Acom anounces one at Dayton this week. :-(

Tom

6588. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-12 21:27:31 UTC
From: Ira Neal
Topic: 6576 Message: 6588

Tom,
Would you mindso much, go to qrz and capture my email or
grassybranch@gmail.com
Would you send me a pictre of your amp.
Also want to talk to you about watt meters.
Thanks
Ira

Fair winds and
following seas
boats.
Galaxy S5
On May 12, 2015 4:56 PM, "wb5jhy@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Ira,
>
> I looked at the 1500 too. Too many coins for the bang. I wish they made
> a manual tune with two Gu74b tubes for that price. I would have gone for
> that. I already have a healthy stock of good tubes and it would be nice to
> have a primary amp and backup that take the same tube like the 2000A and
> 1000. A legal limit manual amp using the same tubes would be worth the $4K
> I think. Alpha's 8410 is at $5K so it would be very competitive. Be my
> bad luck Acom anounces one at Dayton this week. :-(
>
> Tom
>
>

6589. RE: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-13 11:11:04 UTC
From: Kees - pa7two
Topic: 6576 Message: 6589

What about: A manual tuned Acom amp with a GU43B tube inside? Discussed this with Acom years ago, it went into a no-go unfortunately. (They have build & tested such an amp!)

Reason: GU43B availability in USA. The tube in the Acom 1500 is more commonly available in their largest sales market (being USA)...

Amp would have been much cheaper too...

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 12 May 2015 17:27:31 -0400
Subject: Re: [acom-list] Acom 1000 new display panel?

Tom,

Would you mindso much, go to qrz and capture my email or

grassybranch@...

Would you send me a pictre of your amp.

Also want to talk to you about watt meters.

Thanks

Ira
Fair winds and

following seas

boats.

Galaxy S5
On May 12, 2015 4:56 PM, "wb5jhy@... [acom-list]" <acom-list@yahoogroups.com> wrote:

Ira,

I looked at the 1500 too. Too many coins for the bang. I wish they made a manual tune with two Gu74b tubes for that price. I would have gone for that. I already have a healthy stock of good tubes and it would be nice to have a primary amp and backup that take the same tube like the 2000A and 1000. A legal limit manual amp using the same tubes would be worth the $4K I think. Alpha's 8410 is at $5K so it would be very competitive. Be my bad luck Acom anounces one at Dayton this week. :-(
Tom

6590. RE: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-13 13:11:17 UTC
From: wb5jhy@...
Topic: 6576 Message: 6590

Kees,

Actually, the other reason I turned away from the 1500 is the 4cx1000 is getting harder to find (which means more expensive too). Alpha stopped using the 4cx1000 in their 8410 and went to the 4cx1500 over a year ago. While it's not as expensive as the 3cx1500a7, it ain't exactly cheap either. That's why I was advocating the two tube Gu74b amp. The same as in the 2000A. Plenty of power with two tubes. Plus I have two or three life time supply of tubes on hand already. :-)

Tom

6591. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-13 14:49:02 UTC
From: halken
Topic: 6576 Message: 6591

If you happen to like Gu-74b amps, as I do, I would look for an Alpha 99 or perhaps a 91. The 99 is, IMHO, the best full power manual tune amp ever made....
73
Hal N4GG

> Kees,
>
>
> Actually, the other reason I turned away from the 1500 is the 4cx1000
> is getting harder to find (which means more expensive too). Alpha
> stopped using the 4cx1000 in their 8410 and went to the 4cx1500 over a
> year ago. While it's not as expensive as the 3cx1500a7, it ain't
> exactly cheap either. That's why I was advocating the two tube Gu74b
> amp. The same as in the 2000A. Plenty of power with two tubes. Plus
> I have two or three life time supply of tubes on hand already. :-)
>
> Tom
>

6592. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-13 14:56:59 UTC
From: Tom Jue
Topic: 6576 Message: 6592

Hal,
I know. I have been looking. I know of the reputation of both of those.I like the 8100 too. Seems easier to tune.
Tom

On Wednesday, May 13, 2015 9:49 AM, "halken halken@... [acom-list]" <acom-list@yahoogroups.com> wrote:

  If you happen to like Gu-74b amps, as I do, I would look for an Alpha 99 or perhaps a 91. The 99 is, IMHO, the best full power manual tune amp ever made....
73
Hal N4GG

  Kees,
Actually, the other reason I turned away from the 1500 is the 4cx1000 is getting harder to find (which means more expensive too). Alpha stopped using the 4cx1000 in their 8410 and went to the 4cx1500 over a year ago. While it's not as expensive as the 3cx1500a7, it ain't exactly cheap either. That's why I was advocating the two tube Gu74b amp. The same as in the 2000A. Plenty of power with two tubes. Plus I have two or three life time supply of tubes on hand already. :-)
Tom

6593. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-14 15:42:35 UTC
From: wb5jhy@...
Topic: 6576 Message: 6593

False start folk. Sorry. Got this message from Bob at DXE. Price back to $2749.95 as before.

Tom,

The pricing we used when the web pages were designed were old prices.

They are now corrected and reflect current pricing.

Acom notified us of this error and we got the correction posted as soon as possible.

73!

Bob Naumann W5OV
Sales Manager
DX Engineering

6594. Re: [acom-list] Acom 1000 new display panel?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-14 16:01:22 UTC
From: Ira Neal
Topic: 6576 Message: 6594

Hey Guys,
Have my rig set at 50 watts, get avg 750 to 800 out on peaks.
Got my A1000 from Array Sullotions the last week of March 2015, 240v plug, transformer set and tested on all bands
Shipped 2500.00
I wouldn't be surprised if the orice climbs. however, #4# 4 best amp going.
73
Fair winds and
following seas
boats.
Galaxy S5
On May 14, 2015 11:42 AM, "wb5jhy@bellsouth.net [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> False start folk. Sorry. Got this message from Bob at DXE. Price back
> to $2749.95 as before.
>
>
> Tom,
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>
> The pricing we used when the web pages were designed were old prices.
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> They are now corrected and reflect current pricing.
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>
>
> Acom notified us of this error and we got the correction posted as soon as
> possible.
>
>
>
> 73!
>
>
>
> Bob Naumann W5OV
>
> Sales Manager

>
> DX Engineering
>
>

6595. Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-14 23:06:07 UTC
From: Mike Harris
Topic: 5502 Message: 6595

Out of interest I asked the factory if the new LED display could be substituted for the previous LCD display.

<quote>
The OLED is interchangeable with the LCD. But it is thinner by about 5mm and there will be a gap if fitted to an old front panel. I am not sure, but maybe some drilling and filling may reduce the gap to 1mm.
<unquote>

I've not long ago fitted a replacement LCD, an unheard of failure apparently, so maybe there will be a dusty spare on the shelf if anyone has the same problem. I wonder how much a new FP would cost?

Regards,

Mike VP8NO

6596. Re: [acom-list] Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-15 00:04:44 UTC
From: Jim Cox
Topic: 5502 Message: 6596

I hope ACOM has better luck with the durability of their OLED display than Yaesu has had with theirs on the FT-5000. They do have a very limited life, even without failing they dim over time.. 73s Jim K4JAF

-----Original Message-----
From: Mike Harris mike.harris@... [acom-list]
Sent: Thursday, May 14, 2015 6:06 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 display

Out of interest I asked the factory if the new LED display could be substituted for the previous LCD display.

<quote>
The OLED is interchangeable with the LCD. But it is thinner by about 5mm and there will be a gap if fitted to an old front panel. I am not sure, but maybe some drilling and filling may reduce the gap to 1mm.
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Regards,

Mike VP8NO

Yahoo Groups Links

6597. Re: [acom-list] Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-15 09:05:28 UTC
From: Dean St. Hill
Topic: 5502 Message: 6597

Did the factory give a price for the new display??

Dean 8P6SH

Dean St. Hill

Barbados.JustAskLocals.com
It's a big world. Travel smarter.

246-416-5277
246-825-2039 (mobile)

sent from my BLU smartphone
On May 14, 2015 8:04 PM, "'Jim Cox' jcox123@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

> I hope ACOM has better luck with the durability of their OLED display than
> Yaesu has had with theirs on the FT-5000. They do have a very limited
> life,
> even without failing they dim over time.. 73s Jim K4JAF
>
> -----Original Message-----
> From: Mike Harris mike.harris@... [acom-list]
> Sent: Thursday, May 14, 2015 6:06 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] Re: Acom 1000 display
>
> Out of interest I asked the factory if the new LED display could be
> substituted for the previous LCD display.
>
> <quote>
> The OLED is interchangeable with the LCD. But it is thinner by about 5mm
> and there will be a gap if fitted to an old front panel. I am not sure,
> but maybe some drilling and filling may reduce the gap to 1mm.
> <unquote>
>
> I've not long ago fitted a replacement LCD, an unheard of failure
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> has the same problem. I wonder how much a new FP would cost?
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> Regards,
>
> Mike VP8NO
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> Yahoo Groups Links
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6598. Re: [acom-list] Re: Acom 1000 display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-15 11:43:54 UTC
From: Mike Harris
Topic: 5502 Message: 6598

I didn't ask but the replacement LCD cost approx $90 including post via
Vine in the UK. I could have got it somewhat cheaper from the factory
but I don't have a PayPal account and they don't do CC.

Regards,

Mike VP8NO

On 15/05/2015 06:05, 'Dean St. Hill' dmsthill@... [acom-list] wrote:
> Did the factory give a price for the new display??
>
> Dean 8P6SH
>
> Dean St. Hill
>
> Barbados.JustAskLocals.com
> It's a big world. Travel smarter.
>
> 246-416-5277
> 246-825-2039 (mobile)
>
> sent from my BLU smartphone
> On May 14, 2015 8:04 PM, "'Jim Cox' jcox123@... [acom-list]" <
> acom-list@yahoogroups.com> wrote:
>
>> I hope ACOM has better luck with the durability of their OLED display than
>> Yaesu has had with theirs on the FT-5000. They do have a very limited
>> life,
>> even without failing they dim over time.. 73s Jim K4JAF
>>
>> -----Original Message-----
>> From: Mike Harris mike.harris@... [acom-list]
>> Sent: Thursday, May 14, 2015 6:06 PM
>> To: acom-list@yahoogroups.com
>> Subject: [acom-list] Re: Acom 1000 display
>>
>> Out of interest I asked the factory if the new LED display could be
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>> The OLED is interchangeable with the LCD. But it is thinner by about 5mm
>> and there will be a gap if fitted to an old front panel. I am not sure,
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>> <unquote>
>>
>> I've not long ago fitted a replacement LCD, an unheard of failure

>> apparently, so maybe there will be a dusty spare on the shelf if anyone
>> has the same problem. I wonder how much a new FP would cost?
>>
>> Regards,
>>
>> Mike VP8NO

6599. ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-16 14:28:40 UTC
From: plowpenny@...
Topic: 6599 Message: 6599

I bought the ACOM 1000 from a ham first owner and I am having issues with a PN25 protection code. I have had the amp for months with no issue. The amp was turned off and I turned it on and found this issue. I am not sure what is going on. The amp is less than one year old.

Thanks for any help.

Keith
AK6ZZ

6600. Re: [acom-list] ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-16 17:04:57 UTC
From: Dean St. Hill
Topic: 6599 Message: 6600

Keith

I believe PN25 is an indication of screen (grid 2) error. You should probably email Acom for help in troubleshooting. That's what I would do.

Val at Acom is very good at walking you through step by step troubleshooting issues. His email is acom@...

GL.

Dean - 8P6SH

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039 <246-825-2039>
246-416-5277 <246-416-5277>

dmsthill@... <dmsthill@...>

On Sat, May 16, 2015 at 10:28 AM, plowpenny@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> I bought the ACOM 1000 from a ham first owner and I am having issues with
> a PN25 protection code. I have had the amp for months with no issue. The
> amp was turned off and I turned it on and found this issue. I am not sure
> what is going on. The amp is less than one year old.
>
>
> Thanks for any help.
>
>
> Keith
>
> AK6ZZ
>
>
>

6601. Re: [acom-list] ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-16 17:17:13 UTC
From: Plowpenny
Topic: 6599 Message: 6601

Dean,

Thanks. I was a bit surprised that I got the error as it was not even powered on when I was using my rig.

I was curious if the amp is safe to have inline if you are operating digital modes like JT65.

It probably has nothing to do with it but was curious.

Thanks,

Keith
AK6ZZ

Sent from my iPhone

> On May 16, 2015, at 10:04 AM, 'Dean St. Hill' dmsthill@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Keith
>
> I believe PN25 is an indication of screen (grid 2) error. You should probably email Acom for help in troubleshooting. That's what I would do.
>
> Val at Acom is very good at walking you through step by step troubleshooting issues. His email is acom@...
>
> GL.
>
> Dean - 8P6SH
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>
>
> Dean St.Hill
>
>
>
> Barbados.JustAskLocals.com
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>
> 17 Ocean City

> St.Philip
> Barbados
>
> 246-825-2039
> 246-416-5277
>
> dmsthill@...
>
>> On Sat, May 16, 2015 at 10:28 AM, plowpenny@... [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>> I bought the ACOM 1000 from a ham first owner and I am having issues with a PN25 protection code. I have had the amp for months with no issue. The amp was turned off and I turned it on and found this issue. I am not sure what is going on. The amp is less than one year old.
>>
>>
>> Thanks for any help.
>>
>>
>>
>> Keith
>>
>> AK6ZZ
>>
>
>

6602. Re: [acom-list] ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-16 19:38:32 UTC
From: Ira Neal
Topic: 6599 Message: 6602

i would start with finding out what the code is.
Might give array solutions a call.
73 Ira
Fair winds and
following seas
boats.
Galaxy S5
On May 16, 2015 10:28 AM, "plowpenny@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> I bought the ACOM 1000 from a ham first owner and I am having issues with
> a PN25 protection code. I have had the amp for months with no issue. The
> amp was turned off and I turned it on and found this issue. I am not sure
> what is going on. The amp is less than one year old.
>
>
> Thanks for any help.
>
>
> Keith
>
> AK6ZZ
>
>

6603. Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-17 01:56:15 UTC
From: plowpenny@...
Topic: 6599 Message: 6603

I got both the PN25 and after that the PR06. I have sent codes to array solutions.

Thanks for all help. still love this amp. in this hobby bumps in road are bound to happen.

73,

Keith
AK6ZZ

6604. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-17 02:40:33 UTC
From: Larry Benko
Topic: 6599 Message: 6604

Diagnosing Acom 1000 faults are very easy to do. There are 2 Excel spreadsheets that explain exactly what the faults are and where to measure all the monitored data. PN25 is a grid current fault after the HV is turned on and PR06 is a plate current fault when the amp enters the operate state. The entire fault code contains all the details of the fault. Entering the entire fault code into the spreadsheet will give you the details. The second spreadsheet shows the voltages that can be monitored on the main (top PCB). This amp is very easy to diagnose.

Larry, W0QE

On 5/16/2015 7:56 PM, plowpenny@... [acom-list] wrote:
>
> I got both the PN25 and after that the PR06. I have sent codes to
> array solutions.
>
>
> Thanks for all help. still love this amp. in this hobby bumps in
> road are bound to happen.
>
> 73,
>
> Keith
> AK6ZZ
>

6605. Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-17 18:51:02 UTC
From: Skip Guenter
Topic: 6599 Message: 6605

I'd be asking myself... Hmmm, self, what is shipping from San Diego to
Dallas?
--
S. R. 'Skip' Guenter, K5SRG
/3905cc 40m SSB Late Coord
Alt Dir, 5th Call Area
/

6606. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-17 20:32:25 UTC
From: Plowpenny
Topic: 6599 Message: 6606

Actually San Jose to Dallas. We moved for my work last July. We will see what will happen with the troubleshooting.
Keith

Sent from my iPhone

> On May 17, 2015, at 11:51 AM, Skip Guenter sguenter@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I'd be asking myself... Hmmm, self, what is shipping from San Diego to Dallas?
> --
> S. R. 'Skip' Guenter, K5SRG
> 3905cc 40m SSB Late Coord
> Alt Dir, 5th Call Area
>

6607. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-18 10:43:33 UTC
From: Ira Neal
Topic: 6599 Message: 6607

about 75 smackers

From: Skip Guenter sguenter@... [acom-list]
Sent: Sunday, May 17, 2015 2:51 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 1000: PN25 protection code

I'd be asking myself... Hmmm, self, what is shipping from San Diego to Dallas?

--
S. R. 'Skip' Guenter, K5SRG
3905cc 40m SSB Late Coord
Alt Dir, 5th Call Area

*´¨)
¸.•´¸.•*´¨) ¸.•*¨)
(¸.•´ (¸.•` Gary
Best Regards
KE4EX

6608. Took advantage of Hamvention pricing and ordered a 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-18 13:07:59 UTC
From: NC3Z
Topic: 6599 Message: 6608

Well after being amp-less after the move to our new NC QTH I decided to order a Acom 1000 from DX Engineering after Bob assured me that DXE is an factory authorized service center.

I have had very good support from DXE, and I have had very good support from Array Solutions also (especially during that very bad experience with SPE amps), but I had to choose one and DXE had a nice Hamvention discount.

When I had Icom equipment before the move I had a couple of PW-1's so we will see how the Acom stacks up. I really wanted 6M as I am stuck on 99 DXCC entities and that is annoying me.

Gary Mitchelson
NC3Z/4 Pamlico County, NC FM15
www.mitchelson.org

6609. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-18 15:21:12 UTC
From: plowpenny@...
Topic: 6599 Message: 6609

If it's covered under the warranty I certainly don't mind spending $75 to ship it. I'm hoping it's the tube and I don't need to ship it. I sent the codes to Val at a come for his review. I should hear back from Ray solutions tomorrow. The amp was purchased on year ago this month.

Keith
AK6ZZ

6610. Fwd: [acom-list] ACOM 2000A Internal Mains Measurement Out of Calibration

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-19 22:38:18 UTC
From: Rick ve3mm
Topic: 6552 Message: 6610

Further to my post of May 4 (below), I found some time to take a look at my 2000A.

I put in a fresh pair of GU74b's before I started the troubleshooting process, but the problem readings were still there with the new tubes.

It turns out that a trimmer pot, 'RP2' on the CPU board was the source of my problems. This trimmer adjusts the gain of the op amp buffering the analog voltages on their way to the input of the A-D converter on the CPU board. The pot on my board was unstable.

After replacement of the pot, I recalibrated the span of the op amp and a couple of the analog inputs that I had adjusted during my kludge repair last August.

The amp is humming along again. All readings are within spec. Full output on all bands with about 30 watts of drive.

Nice!

73

Rick ve3mm

---------- Forwarded message ----------
From: Rick ve3mm <richardstasiak@...>
Date: Mon, May 4, 2015 at 11:00 AM
Subject: Re: [acom-list] ACOM 2000A Internal Mains Measurement Out of Calibration
To: acom-list@yahoogroups.com, n6ki_73@...

Hi Dennis

I understand your problems with your 2000A as I have experienced the same problems about a year ago. It started out as the flickering filament light. My line voltage was in the 240 VAC area and the amp was reading it as approximately 255 volts. The situation degraded over a couple of months and finally the amp would fail every time on startup at the 137 second mark with the display reading "Heater Current Too High 4.3 A".

At the time, I received technical assistance from the factory and from Array Solutions. I was very satisfied with the technical help provided by both parties.

After review, I believed my problems were related to degrading electrolytic capacitors in the analog to digital conversion instrumentation

section of the amplifier or a bad trimmer potentiometer. At the time I opened the amp up and checked the caps in situ and did not find any that indicated high ESR with the instrumentation that I have on hand. I also did not find any bad trimmer pots.

I did a kludge repair by following the instrumentation alignment procedures supplied by the factory and adjusted the main A-D span, incoming voltage monitor and heater current monitor to bring the readings within spec. The amp worked fine all last winter through a bunch of contests, but is now back at the startup failure point again.

Once I get some time I will put the amp back on the workbench with the resolve to fix it right this time. At the moment I am sourcing some spare tubes so that I can confirm that it is not actually a bad tube problem.

If you decide to tackle your problems yourself please take care as some of the voltages in the amp can be lethal and you must put safety first. If you do get it repaired please share the solution so that I and others can benefit from your experience.

I can share my technical information on the amp with you if you need it.

73

Rick ve3mm

>

6611. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-22 21:44:59 UTC
From: Plowpenny
Topic: 6599 Message: 6611

In case anyone is interested my Acom 1000 has a bad tube. It is funny that this tube only lasted one year. I don't think I did anything too bad to it but nevertheless it failed.

As I am not the original purchaser of the amp the warranty is not transferable. The amp is only one year old but still not covered.

Keith
AK6ZZ

Sent from my iPhone

> On May 18, 2015, at 8:21 AM, plowpenny@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> If it's covered under the warranty I certainly don't mind spending $75 to ship it. I'm hoping it's the tube and I don't need to ship it. I sent the codes to Val at a come for his review. I should hear back from Ray solutions tomorrow. The amp was purchased on year ago this month.
>
> Keith
> AK6ZZ
>
>

6612. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 08:31:22 UTC
From: on4ct@...
Topic: 6599 Message: 6612

Keith

the error was caused by a katohde to grid short.
This is the most commun fault of the gu74b and other tetrode such as gu84b, gu78b , ...
It happens mostly in the first hours of use, seldom later.
So once a tube is used for one year , it will run for many years under normal conditions such as heater voltage, power output, not overdrive, ...

The cathode is hot and can bent over due to structural faults, it comes then close the the grid mesh and there is a internal short. The amp goes in proctection.

I had once a tube that when I tapped on the amp , that went to such an internal short .... , after cooling down the amp restarted as normal and I could use it that way untill the next vibration.

73
Dirk
on4ct

6613. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 12:52:14 UTC
From: Plowpenny
Topic: 6599 Message: 6613

Dirk,

It is interesting that you mentioned this because I moved the amp back into the operating position and turned on the amp and everything was working fine again. I plan to replace the tube but it appears to be an intermittent issue. Well more properly classified as a failed tube that intermittently operates.

Keith
AK6ZZ

Sent from my iPhone

> On May 23, 2015, at 1:31 AM, on4ct@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Keith
>
> the error was caused by a katohde to grid short.
> This is the most commun fault of the gu74b and other tetrode such as gu84b, gu78b , ...
> It happens mostly in the first hours of use, seldom later.
> So once a tube is used for one year , it will run for many years under normal conditions such as heater voltage, power output, not overdrive, ...
>
> The cathode is hot and can bent over due to structural faults, it comes then close the the grid mesh and there is a internal short. The amp goes in proctection.
>
> I had once a tube that when I tapped on the amp , that went to such an internal short .... , after cooling down the amp restarted as normal and I could use it that way untill the next vibration.
>
> 73
> Dirk
> on4ct
>
>

6614. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 13:16:38 UTC
From: halken
Topic: 6599 Message: 6614

This is not all that uncommon Keith. Nearly all the GU-74bs I'm aware of that have been replaced, and that's quite a few now, were either worn out end-of-life, or had grid shorts. I have a "bad" tube I am holding onto for testing and emergency use. It runs fine for an hour, then faults. If I pull it from the socket hot (not a fun job), it has a low resistance from the control grid to the cathode - on the order of 1K ohms. At room temperature it reads an open circuit like it should and it is fully repeatable. I can leave a VOM on the control grid and watch the resistance go up as the temperature goes down. That's just how it rolls with these tubes....
73
Hal N4GG

> Dirk,
>
> It is interesting that you mentioned this because I moved the amp back
> into the operating position and turned on the amp and everything was
> working fine again. I plan to replace the tube but it appears to be an
> intermittent issue. Well more properly classified as a failed tube
> that intermittently operates.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone
>
> On May 23, 2015, at 1:31 AM, on4ct@... <mailto:on4ct@...>
> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
>> Keith
>>
>> the error was caused by a katohde to grid short.
>> This is the most commun fault of the gu74b and other tetrode such as
>> gu84b, gu78b , ...
>> It happens mostly in the first hours of use, seldom later.
>> So once a tube is used for one year , it will run for many years
>> under normal conditions such as heater voltage, power output, not
>> overdrive, ...
>>
>> The cathode is hot and can bent over due to structural faults, it
>> comes then close the the grid mesh and there is a internal short.
>> The amp goes in proctection.
>>
>> I had once a tube that when I tapped on the amp , that went to such

>> an internal short .... , after cooling down the amp restarted as
>> normal and I could use it that way untill the next vibration.
>>
>> 73
>> Dirk
>> on4ct
>>
>

6615. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 13:30:37 UTC
From: on4ct@...
Topic: 6599 Message: 6615

Hal
Quite intresting !
thats why you have to measure NOS tubes in cold and warm.

73
Dirk
on4ct

6616. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 13:28:08 UTC
From: Plowpenny
Topic: 6599 Message: 6616

Since this is not uncommon do people chance buying the cheaper tubes from eBay that ship from Russia or get the more expensive tubes from array solutions (for those that purchase from them).

Just curious. I don't mind spending more for known good but if I can save money that is always cool with me.

Keith
AK6ZZ

Sent from my iPhone

> On May 23, 2015, at 6:16 AM, halken halken@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> This is not all that uncommon Keith. Nearly all the GU-74bs I'm aware of that have been replaced, and that's quite a few now, were either worn out end-of-life, or had grid shorts. I have a "bad" tube I am holding onto for testing and emergency use. It runs fine for an hour, then faults. If I pull it from the socket hot (not a fun job), it has a low resistance from the control grid to the cathode - on the order of 1K ohms. At room temperature it reads an open circuit like it should and it is fully repeatable. I can leave a VOM on the control grid and watch the resistance go up as the temperature goes down. That's just how it rolls with these tubes....
> 73
> Hal N4GG
>
>
>>
>> Dirk,
>>
>> It is interesting that you mentioned this because I moved the amp back into the operating position and turned on the amp and everything was working fine again. I plan to replace the tube but it appears to be an intermittent issue. Well more properly classified as a failed tube that intermittently operates.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone
>>
>> On May 23, 2015, at 1:31 AM, on4ct@... [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>>>
>>> Keith
>>>
>>> the error was caused by a katohde to grid short.

>>> This is the most commun fault of the gu74b and other tetrode such as gu84b, gu78b , ...
>>> It happens mostly in the first hours of use, seldom later.
>>> So once a tube is used for one year , it will run for many years under normal conditions such as heater voltage, power output, not overdrive, ...
>>>
>>> The cathode is hot and can bent over due to structural faults, it comes then close the the grid mesh and there is a internal short. The amp goes in proctection.
>>>
>>> I had once a tube that when I tapped on the amp , that went to such an internal short .... , after cooling down the amp restarted as normal and I could use it that way untill the next vibration.
>>>
>>> 73
>>> Dirk
>>> on4ct
>>>
>
>

6617. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 14:02:29 UTC
From: on4ct@...
Topic: 6599 Message: 6617

Keith

I have bought some nos gu74b on ebay.
From the 6 I tested, all tubes where ok.

You can buy 2 or 4 tubes on the Russian marked agains one
tested from a acom dealer

you can preheated and tested yourself.
there are already more than one item on this forum about this.

73
dirk
on4ct

6618. Load cap display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 17:02:48 UTC
From: donrdlph@...
Topic: 6618 Message: 6618

Hello all,
I am new to the board and I just picked up a very nice used Acom 1000.
It works great and has full output.
I mostly run AM on 40 and 80.
When I set the load to the center with carrier it looks fine but under modulation the load indicator goes way off to the right on audio peaks.
I run it at about 150 watts of carrier.
Is this a normal operating reading?
Thanks,
Don

6619. Re: [acom-list] Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 17:24:19 UTC
From: <wb5jhy@...>
Topic: 6599 Message: 6619

Keith,

Can't speak to how reliable those ebay tubes from Russia are but I bought a few and have tried one out. My new Acom 1000 seemed to take a bit much to drive at first. The book says 50-60 watts to make "rated" power. I guess that means 1K. Mine took more like 65-70 watts to make 1K. The bias settings were right on the money and technically the amp did make spec. Val at Acom said that the numbers recorded for that amp do indicate it would take a little more drive than average. Just the nature of manufacturer's variations in the tube. Should last for years but just take a little more drive. So with nothing to lose I took out one of the "cheap" Russian tubes from the ebay buy and warmed it up a few hours and slowly loaded it up. That tube makes 1k with 50 to 55 watts. Enough rf at the top end to put a huge grin on your face. I never run it over 60wt drive because it's in the 1100+ output range by then. If I needed that I would just turn on the 2000A. The 1000 is not just my backup amp, it's my test fixture too. :-) I feel good about the other "cheap" tubes I have. I did already have a spare set of tested tubes from A$. They were of course good. In fact, they are in my 2000 now and the originals that I used for about a week are boxed up as proven good spares. I should have two life times worth of tubes on hand so I don't worry about supply anymore. Besides, they should appreciate more in value than my 401k in the long haul.

73's
Tom

----- Original Message -----
From: Plowpenny plowpenny@... [acom-list]
To: acom-list@yahoogroups.com
Sent: Saturday, May 23, 2015 8:28 AM
Subject: Re: [acom-list] Re: ACOM 1000: PN25 protection code

Since this is not uncommon do people chance buying the cheaper tubes from eBay that ship from Russia or get the more expensive tubes from array solutions (for those that purchase from them).

Just curious. I don't mind spending more for known good but if I can save money that is always cool with me.

Keith
AK6ZZ

Sent from my iPhone

On May 23, 2015, at 6:16 AM, halken halken@... [acom-list] <acom-list@yahoogroups.com> wrote:

This is not all that uncommon Keith. Nearly all the GU-74bs I'm aware of that have been replaced, and that's quite a few now, were either worn out end-of-life, or had grid shorts. I have a "bad" tube I am holding onto for testing and emergency use. It runs fine for an

hour, then faults. If I pull it from the socket hot (not a fun job), it has a low resistance from the control grid to the cathode - on the order of 1K ohms. At room temperature it reads an open circuit like it should and it is fully repeatable. I can leave a VOM on the control grid and watch the resistance go up as the temperature goes down. That's just how it rolls with these tubes....
73
Hal N4GG

Dirk,

It is interesting that you mentioned this because I moved the amp back into the operating position and turned on the amp and everything was working fine again. I plan to replace the tube but it appears to be an intermittent issue. Well more properly classified as a failed tube that intermittently operates.

Keith
AK6ZZ

Sent from my iPhone

On May 23, 2015, at 1:31 AM, on4ct@yahoo.com [acom-list] <acom-list@yahoogroups.com> wrote:

Keith

the error was caused by a katohde to grid short.
This is the most commun fault of the gu74b and other tetrode such as gu84b, gu78b , ...
It happens mostly in the first hours of use, seldom later.
So once a tube is used for one year , it will run for many years under normal conditions such as heater voltage, power output, not overdrive, ...

The cathode is hot and can bent over due to structural faults, it comes then close the the grid mesh and there is a internal short. The amp goes in proctection.

I had once a tube that when I tapped on the amp , that went to such an internal short .... , after cooling down the amp restarted as normal and I could use it that way untill the next vibration.

73
Dirk
on4ct

6620. Re: [acom-list] Load cap display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-23 19:26:04 UTC
From: Mike Harris
Topic: 6618 Message: 6620

The tune indicator does indeed wander all over the place with variable amplitude signals like SSB but is steady if using RTTY. Probably to do with the way the data is captured and computed.

Regards,

Mike VP8NO

On 23/05/2015 14:02, donrdlph@... [acom-list] wrote:
> Hello all,
> I am new to the board and I just picked up a very nice used Acom 1000.
> It works great and has full output.
> I mostly run AM on 40 and 80.
> When I set the load to the center with carrier it looks fine but under modulation the load indicator goes way off to the right on audio peaks.
> I run it at about 150 watts of carrier.
> Is this a normal operating reading?
> Thanks,
> Don
>

6621. Re: Load cap display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-24 06:29:49 UTC
From: on4ct@...
Topic: 6618 Message: 6621

Don
150w output in am mode is fine for this amp, thats about 750 w in cw mode.
the tune indicator is a calculated value of gain.

73
dirk
on4ct

6622. FS:ACOM 1011

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-24 11:12:21 UTC
From: tadej.mezek@...
Topic: 6622 Message: 6622

I have for sale an ACOM 1011 in pristine condition 10/10. Offer few spare tubes to the prosperous buyer. Have the original boxing so postage delivery is not a problem. Very little used.
Price 1k2€ OBO.

Please contact me on my qrz.com email address.

Best 73 Ted, s51ta

6623. Re: Load cap display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-25 03:41:44 UTC
From: donrdlph@...
Topic: 6618 Message: 6623

Thanks for the replies.
Don W9BHI

6624. Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-26 14:47:16 UTC
From: k5cjl@...
Topic: 6624 Message: 6624

I was told that the screw on the top of the outside of the case which is attached to the tube breather should be removed after the amp is in place. I have never heard this before. Yes, or no, or it doesn't matter?
Thanks
Carl

6625. Re: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-26 15:14:46 UTC
From: Ira Neal
Topic: 6624 Message: 6625

whoa, I didn't remove anything.
Gonna make a AR call today

Fair winds and
following seas
boats.
Galaxy S5
On May 26, 2015 10:47 AM, "k5cjl@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> I was told that the screw on the top of the outside of the case which is
> attached to the tube breather should be removed after the amp is in place.
> I have never heard this before. Yes, or no, or it doesn't matter?
>
> Thanks
>
> Carl
>
>

6626. Re: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-26 15:20:08 UTC
From: Ira Neal
Topic: 6624 Message: 6626

spoke with David at AR. Sol.
yes on the 2000 no on the 1000.
I have been running mine for a month never removed a screw.
73 Ira
Fair winds and
following seas
boats.
Galaxy S5
On May 26, 2015 11:14 AM, "Ira Neal" <grassybranch@...> wrote:

> whoa, I didn't remove anything.
> Gonna make a AR call today
>
> Fair winds and
> following seas
> boats.
> Galaxy S5
> On May 26, 2015 10:47 AM, "k5cjl@... [acom-list]" <
> acom-list@yahoogroups.com> wrote:
>
>>
>>
>> I was told that the screw on the top of the outside of the case which is
>> attached to the tube breather should be removed after the amp is in place.
>> I have never heard this before. Yes, or no, or it doesn't matter?
>>
>> Thanks
>>
>> Carl
>>
>>
>

6627. Re: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-26 15:35:58 UTC
From: k5cjl@...
Topic: 6624 Message: 6627

Thanks

6628. RE: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-27 00:03:15 UTC
From: Bob Naumann
Topic: 6624 Message: 6628

There’re no screws to remove on any Acom amplifier to ready them for use.

The 1010, 1000, and 1500 all are ready to be operational as they come out of the box.

The 2000A comes with two plastic spacers on the tubes that must be removed before use. Remove them when you install the power transformer.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, May 26, 2015 11:20 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 Tube Screw

spoke with David at AR. Sol.
yes on the 2000 no on the 1000.
I have been running mine for a month never removed a screw.
73 Ira
Fair winds and
following seas
boats.
Galaxy S5

On May 26, 2015 11:14 AM, "Ira Neal" <grassybranch@...> wrote:

whoa, I didn't remove anything.
Gonna make a AR call today

Fair winds and
following seas
boats.
Galaxy S5

On May 26, 2015 10:47 AM, "k5cjl@... [acom-list]" <acom-list@yahoogroups.com> wrote:

I was told that the screw on the top of the outside of the case which is attached to the tube breather should be removed after the amp is in place. I have never heard this before. Yes, or no, or it doesn't matter?

Thanks

Carl

6629. Re: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-27 00:42:17 UTC
From: George
Topic: 6624 Message: 6629

Hi Bob,
Just curious why do the spacer have to be removed on the 2000A. Mine are still in place after about 7 years of use. Originally purchased from the guys in CT(?). Thanks for any advice.
73, George
W2GS

On 5/26/2015 7:03 PM, 'Bob Naumann' W5OV@... [acom-list] wrote:
>
> There’re no screws to remove on any Acom amplifier to ready them for use.
>
> The 1010, 1000, and 1500 all are ready to be operational as they come
> out of the box.
>
> The 2000A comes with two plastic spacers on the tubes that must be
> removed before use. Remove them when you install the power transformer.
>
> 73,
>
> Bob W5OV
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Tuesday, May 26, 2015 11:20 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Acom 1000 Tube Screw
>
>
>
>
>
> spoke with David at AR. Sol.
> yes on the 2000 no on the 1000.
> I have been running mine for a month never removed a screw.
> 73 Ira
> Fair winds and
> following seas
> boats.
> Galaxy S5
>
> On May 26, 2015 11:14 AM, "Ira Neal" <grassybranch@...
> <mailto:grassybranch@...>> wrote:
>
> whoa, I didn't remove anything.
> Gonna make a AR call today
>
> Fair winds and

> following seas
> boats.
> Galaxy S5
>
> On May 26, 2015 10:47 AM, "k5cjl@... <mailto:k5cjl@...>
> [acom-list]" <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> I was told that the screw on the top of the outside of the case which
> is attached to the tube breather should be removed after the amp is in
> place. I have never heard this before. Yes, or no, or it doesn't matter?
>
> Thanks
>
> Carl
>
>
>
>
>

6630. RE: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-27 02:11:47 UTC
From: Bob Naumann
Topic: 6624 Message: 6630

George,

I’m strictly talking about the “drop-in” gray plastic spacers that hold the tubes in their sockets for safe transport. If you left these in, you need to remove them. They can melt. I have seen this occur.

In addition, they can greatly impede the airflow causing further overheating.

I’m not talking about the porcelain (or Teflon – in later units) standoff in the middle of the tube. That stays in place.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, May 26, 2015 8:42 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 Tube Screw

Hi Bob,
Just curious why do the spacer have to be removed on the 2000A. Mine are still in place after about 7 years of use. Originally purchased from the guys in CT(?). Thanks for any advice.
73, George
W2GS

On 5/26/2015 7:03 PM, 'Bob Naumann' W5OV@... [acom-list] wrote:

There’re no screws to remove on any Acom amplifier to ready them for use.

The 1010, 1000, and 1500 all are ready to be operational as they come out of the box.

The 2000A comes with two plastic spacers on the tubes that must be removed before use. Remove them when you install the power transformer.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, May 26, 2015 11:20 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 1000 Tube Screw

spoke with David at AR. Sol.
yes on the 2000 no on the 1000.
I have been running mine for a month never removed a screw.
73 Ira

Fair winds and
following seas
boats.
Galaxy S5

On May 26, 2015 11:14 AM, "Ira Neal" <grassybranch@...> wrote:

whoa, I didn't remove anything.
Gonna make a AR call today

Fair winds and
following seas
boats.
Galaxy S5

On May 26, 2015 10:47 AM, "k5cjl@... [acom-list]" <acom-list@yahoogroups.com> wrote:

I was told that the screw on the top of the outside of the case which is attached to the tube breather should be removed after the amp is in place. I have never heard this before. Yes, or no, or it doesn't matter?

Thanks

Carl

6631. RE: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-27 03:15:24 UTC
From: k5cjl@...
Topic: 6624 Message: 6631

Thanks Bob.. Carl

6632. Re: [acom-list] Acom 1000 Tube Screw

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-27 11:45:02 UTC
From: George
Topic: 6624 Message: 6632

Hi Bob,
Ok, I was referring to the standoffs in the middle of the tubes, I
couldn't figure out how they would be problem and I have had the unit
long enough that I didn't remember the packing to keep the tubes in place.
73, George
W2GS

On 5/26/2015 9:11 PM, 'Bob Naumann' W5OV@... [acom-list] wrote:
>
> George,
>
> I’m strictly talking about the “drop-in” gray plastic spacers that
> hold the tubes in their sockets for safe transport. If you left these
> in, you need to remove them. They can melt. I have seen this occur.
>
> In addition, they can greatly impede the airflow causing further
> overheating.
>
> I’m not talking about the porcelain (or Teflon – in later units)
> standoff in the middle of the tube. That stays in place.
>
> 73,
>
> Bob W5OV
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Tuesday, May 26, 2015 8:42 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Acom 1000 Tube Screw
>
>
>
> Hi Bob,
> Just curious why do the spacer have to be removed on the 2000A. Mine
> are still in place after about 7 years of use. Originally purchased
> from the guys in CT(?). Thanks for any advice.
> 73, George
> W2GS
>
> On 5/26/2015 7:03 PM, 'Bob Naumann' W5OV@...
> <mailto:W5OV@...> [acom-list] wrote:
>
> There’re no screws to remove on any Acom amplifier to ready them
> for use.
>

> The 1010, 1000, and 1500 all are ready to be operational as they
> come out of the box.
>
> The 2000A comes with two plastic spacers on the tubes that must be
> removed before use. Remove them when you install the power
> transformer.
>
> 73,
>
> Bob W5OV
>
> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com]
> *Sent:* Tuesday, May 26, 2015 11:20 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] Acom 1000 Tube Screw
>
>
>
>
>
> spoke with David at AR. Sol.
> yes on the 2000 no on the 1000.
> I have been running mine for a month never removed a screw.
> 73 Ira
> Fair winds and
> following seas
> boats.
> Galaxy S5
>
> On May 26, 2015 11:14 AM, "Ira Neal" <grassybranch@...
> <mailto:grassybranch@...>> wrote:
>
> whoa, I didn't remove anything.
> Gonna make a AR call today
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> Fair winds and
> following seas
> boats.
> Galaxy S5
>
> On May 26, 2015 10:47 AM, "k5cjl@... <mailto:k5cjl@...>
> [acom-list]" <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> I was told that the screw on the top of the outside of the case
> which is attached to the tube breather should be removed after the
> amp is in place. I have never heard this before. Yes, or no, or it
> doesn't matter?
>

> Thanks
>
> Carl
>
>
>
>
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>
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>
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>
>

6633. Re: ACOM 1000: PN25 protection code

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-31 18:11:29 UTC
From: garfieldbill700@...
Topic: 6599 Message: 6633

Tom,

I've only bought 2 of those eBay/Russian tubes (from QRO Parts dot com) and both performed perfectly (after initial recommended 5-hour Gettering process)

Granted, 2 tubes is way too small a sample to make any broad endorsement, but I'd likely use them again.

Shipping info on the packages indicated they came from Sweden. Both were butt-ugly in appearance, but work fine. (these were bought separately and are not a matched pair, bought as individual spares for an Acom 1010). I originally ordered the first one just to have a spare, but then thought... what if I end up needing it? - so bought a second one. Probably stupid, but I doubt their value will ever go down so I can always sell 'em for at least what I paid, esp. knowing that they're both good.

73 - Bill - WB9FOP

6634. ACOM-1010 Keying circuit current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-31 18:13:57 UTC
From: garfieldbill700@...
Topic: 6634 Message: 6634

For the benefit of anyone interested, I just measured the keying circuit voltage and current on my Acom 1010

Voltage: 13.44 vdc (sometimes called the resting voltage (key-up)
current: 6 ma dc

Thus the Acom 1010 can be keyed directly with HF rigs supporting solid state switches that provide 'Active Low' logic on TX, such as the new Kenwood TS-590SG and the TS-990 (both using the RL keying option)

Per info from Kenwood, the solid state switch is rated for 10 ma.and a resting voltage of 15v (or less) * see attribution below

The keying circuit of the original TS-590S only supports 'Active High' logic on the RL lead, thus requiring an external buffer circuit.

Either Kenwood model can also use the built-in T/R relay in the rig (pins 2 & 4 of the 7-pin Remote terminal connector)

* Note - Kenwood maximum keying current & resting voltage figures taken from Rin Fukuda's (JG1VGX) article: "How To Key Your Amplifiers with TS-590(G) or TS-990

73 - Bill - WB9FOP

6635. Re: ACOM-1010 Keying circuit current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-05-31 19:34:10 UTC
From: jackryan1944@...
Topic: 6634 Message: 6635

Bill,

Do you happen to know the relay pull-in time on the 1010? I have an Icom 7600 driving the Acom. According to the QST review of the 7600, the power output doesn't rise for about 9 or 10 ms after key closure. If the 1010 relay pull-in is less, it means no "hot" switching. A new firmware update for the 7600 provides for an additional 10 ms delay, but I don't want to apply it if it's not required.

Thanks -

Jim, K4HPP

6636. Re: ACOM-1010 Keying circuit current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-01 04:12:59 UTC
From: garfieldbill700@...
Topic: 6634 Message: 6636

Sorry Jim, not having a scope I don't have any info on this. I'm using my 1010 with the TS590SG and the keying line wired for RL (solid state) switching. On CW pileups I'll typically run between 28~30 wpm semi-break-in with no difficulty. (CW Rise time on the 590SG is set for 2 ms (adjustable 1~6 ms) - of course I've never been on the receiving end so I don't know what the first character sounds like
73 - Bill - WB9FOP

6637. Re: [acom-list] ACOM-1010 Keying circuit current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-01 04:50:59 UTC
From: Hank Garretson
Topic: 6634 Message: 6637

If I understand you correctly, I'd be very wary of 2 ms CW rise time. It's not just the first character--it's every leading edge. Probably asking for clicks. You wouldn't notice the clicks, but your neighbors on the bands would.

73,

Hank, W6SX

On Sunday, May 31, 2015, garfieldbill700@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Sorry Jim, not having a scope I don't have any info on this. I'm using my
> 1010 with the TS590SG and the keying line wired for RL (solid state)
> switching. On CW pileups I'll typically run between 28~30 wpm
> semi-break-in with no difficulty. (CW Rise time on the 590SG is set for 2
> ms (adjustable 1~6 ms) - of course I've never been on the receiving end so
> I don't know what the first character sounds like
> 73 - Bill - WB9FOP
>
>

6638. Re: ACOM-1010 Keying circuit current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-01 22:06:13 UTC
From: jackryan1944@...
Topic: 6634 Message: 6638

Thanks Bill. I think I'm OK without adding the 10ms additional delay.

73, Jim - K4HPP

6639. Re: [acom-list] ACOM-1010 Keying circuit current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-03 02:52:21 UTC
From: garfieldbill700@...
Topic: 6634 Message: 6639

Thanks Hank. I'll stretch it out to 4 or so.

73 - Bill - WB9FOP

6640. 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 18:11:31 UTC
From: Bdr@...
Topic: 6640 Message: 6640

I have a fairly new Acom 2000A and have been having a recurring but intermittent SWR fault issue. The amp faults, trips off and and indicates >650 watts reflected power in the fault text. In addition, the forward power LED occasionally shows a power spike when the amp is in standby and no RF is flowing through it.

Obviously, I went skulking for an SWR issue. I checked using independent SWR/Watt meters, changed lines, connections, etc. and found no indication of any actual problem. I have a DWM-2 with two sensors (one on the antenna input line and the other at the input to the tuner and both readings are normal low SWR. No radio is indicating an SWR issue. Finally, I put my Alpha into the exact same RF chain, replacing the position of the Acom, and the Alpha indicates the exact same SWR readings as my other instruments and does not fault. This weekend, as luck would have it, I had faulting while I was monitoring SWR and reflected power in the measurement menu on the RCU. The faults were occurring when the Acom measured SWR was indicating 1.5:1 or less and in line with the DWM-2. So, I have no actual SWR issue and even the Acom measuring circuitry is accurately reporting the SWR to the CPU. That seems to rule out any issue with a connection in the internal Acom RF chain. If all this weren't weird enough, the Acom is not recording these SWR faults in the "last 10 fault" list.

II believe some component is failing on the CPU board. Has anyone else seen this issue? If so, what was the resolution. Thanks for your time.

Brent WA0VY

6641. Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 18:23:49 UTC
From: d48806
Topic: 6640 Message: 6641

Hey Brent,

Regarding your SWR-fault, what kind of coax are you using to your antenna?

If it is small diameter foam-type (i.e. LMR-240 or RG-8X) , you could be getting an intermittent voltage arc from the center-conductor to the braid. I have heard many instances of this happening with linear amps and foam-dielectric coax, esp. where sharp bends or tight-ties have deformed the coax.

Power-handling ability (current) and voltage-breakdown of foam coax are two very different things!!

Jay KV7AC

6642. Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 18:36:22 UTC
From: Brent D. Rosenberg
Topic: 6640 Message: 6642

Jay, thanks for the reply. I use Andrews/Commscope LDF4-50b and FSJ4-50b Heliax with N type connectors. As mentioned, no instrument shows an SWR issue, not even the Acom. No issue with Alpha at full power either. I have even taken switches out of the RF chain. I've definitively ruled out an actual arc or SWR issue anywhere on the RF chain (and also, I believe, internal to the Acom itself).

However, the Acom still faults.

Brent WA0VY

6643. RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 19:10:03 UTC
From: Bill Hider
Topic: 6640 Message: 6643

Brent,

You do not mention if this problem is antenna or frequency dependent so I'll suggest all the below items:

Have you tried:

- Testing the amp into a dummy load?

- Testing on other bands?

- Re-doing the auto tune procedures on the band(s) and/or antenna(s) where the problem is present?

- Re-doing item 3 above into the dummy load and trying item #1 again.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:36 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: [acom-list] Re: 2000A SWR Fault issue

Jay, thanks for the reply. I use Andrews/Commscope LDF4-50b and FSJ4-50b Heliax with N type connectors. As mentioned, no instrument shows an SWR issue, not even the Acom. No issue with Alpha at full power either. I have even taken switches out of the RF chain. I've definitively ruled out an actual arc or SWR issue anywhere on the RF chain (and also, I believe, internal to the Acom itself).

However, the Acom still faults.

Brent WA0VY

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6030 / Virus Database: 4360/10021 - Release Date: 06/15/15

[Non-text portions of this message have been removed]

6644. Re: RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 19:24:14 UTC
From: Vic Culver
Topic: 6640 Message: 6644

Brent - that's good advice from Bill, N3RR. I had issues similar to yours - 80M only - and after serious headscratching I did the band segment tuning procedure (in the manual) and the issue went away and it has been smooth sailing since then. If you haven't tried that, see what happens. 47 and 73, Vic, W4VIC

Sent from my Verizon Wireless 4G LTE Smartphone

------ Original message------

From: 'Bill Hider' n3rr@erols.com [acom-list]
Date: Mon, 6/15/2015 3:10 PM
To: acom-list@yahoogroups.com;
Cc: d48806@tabletoptelephone.com;
Subject:RE: [acom-list] Re: 2000A SWR Fault issue

Brent,

You do not mention if this problem is antenna or frequency dependent so I'll suggest all the below items:

Have you tried:

- Testing the amp into a dummy load?

- Testing on other bands?

- Re-doing the auto tune procedures on the band(s) and/or antenna(s) where the problem is present?

- Re-doing item 3 above into the dummy load and trying item #1 again.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:36 PM
To: acom-list@yahoogroups.com
Cc: d48806@tabletoptelephone.com
Subject: [acom-list] Re: 2000A SWR Fault issue

Jay, thanks for the reply. I use Andrews/Commscope LDF4-50b and FSJ4-50b Heliax with N type connectors. As mentioned, no instrument shows an SWR issue, not even the Acom. No issue with Alpha at full power either. I have even taken switches out of the RF chain. I've definitively ruled out an actual arc or SWR issue anywhere on the RF chain (and also, I believe, internal to the Acom itself).

However, the Acom still faults.

Brent WA0VY

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6030 / Virus Database: 4360/10021 - Release Date: 06/15/15

[Non-text portions of this message have been removed]

6645. RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 19:27:07 UTC
From: Ron Castro
Topic: 6640 Message: 6645

The symptoms might point to a CPU problem, but before I would go there, I would check the basic SWR Reflected circuit, starting with the adjustment resistor, RP5 on Page 3 of the Interface section of the schematics.

I agree that this should also be tested on a dummy load, since the next thing that come to mind is some sort of external RF getting into the antenna and tripping the SWR Reflected circuit. Are you near any high-power RF sources, such as a cell or broadcast site? It's quite possible that a static discharge could also cause the same problem since the SWR circuitry is not particularly frequency selective. Adding a low-pass filter to the output might be a good solution if this is the case.

Ron Castro
N6IE
www.N6IE.com

Member:
ARRL
Redwood Empire DX Assn.
Northern California Contest Club
Northern California DX Foundation
Society of Broadcast Engineers

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: June 15, 2015 12:10 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: RE: [acom-list] Re: 2000A SWR Fault issue

Brent,

You do not mention if this problem is antenna or frequency dependent so I'll suggest all the below items:

Have you tried:

- Testing the amp into a dummy load?

- Testing on other bands?

- Re-doing the auto tune procedures on the band(s) and/or antenna(s) where the problem is present?

- Re-doing item 3 above into the dummy load and trying item #1 again.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:36 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: [acom-list] Re: 2000A SWR Fault issue

Jay, thanks for the reply. I use Andrews/Commscope LDF4-50b and FSJ4-50b Heliax with N type connectors. As mentioned, no instrument shows an SWR issue, not even the Acom. No issue with Alpha at full power either. I have even taken switches out of the RF chain. I've definitively ruled out an actual arc or SWR issue anywhere on the RF chain (and also, I believe, internal to the Acom itself).

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Brent WA0VY

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6030 / Virus Database: 4360/10021 - Release Date: 06/15/15

[Non-text portions of this message have been removed]

Posted by: "Bill Hider" <n3rr@...>

Yahoo Groups Links

6646. RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 19:40:34 UTC
From: Brent D. Rosenberg
Topic: 6640 Message: 6646

All good ideas and I appreciate the help. However, there is no other RF source out there in my area and remember, the SWR measurement present in the Acom measurement screen is normal when it faults and consistent with all other measuring devices (3 in all on the line and none of them see any issues.). The Acom has a separate measurement board and if it is indicating no problem, as is every other measuring device, then an SWR fault has to be a figment of the Acom's imagination. I'm thinking HAL 1000 from 2001: "I'm sorry Dave, I'm afraid I can't do that."

Brent WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:27 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: 2000A SWR Fault issue

The symptoms might point to a CPU problem, but before I would go there, I would check the basic SWR Reflected circuit, starting with the adjustment resistor, RP5 on Page 3 of the Interface section of the schematics.

I agree that this should also be tested on a dummy load, since the next thing that come to mind is some sort of external RF getting into the antenna and tripping the SWR Reflected circuit. Are you near any high-power RF sources, such as a cell or broadcast site? It's quite possible that a static discharge could also cause the same problem since the SWR circuitry is not particularly frequency selective. Adding a low-pass filter to the output might be a good solution if this is the case.

Ron Castro
N6IE
www.N6IE.com

Member:
ARRL
Redwood Empire DX Assn.
Northern California Contest Club
Northern California DX Foundation
Society of Broadcast Engineers

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: June 15, 2015 12:10 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: RE: [acom-list] Re: 2000A SWR Fault issue

Brent,

You do not mention if this problem is antenna or frequency dependent so I'll suggest all the below items:

Have you tried:

- Testing the amp into a dummy load?

- Testing on other bands?

- Re-doing the auto tune procedures on the band(s) and/or antenna(s) where the problem is present?

- Re-doing item 3 above into the dummy load and trying item #1 again.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:36 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: [acom-list] Re: 2000A SWR Fault issue

Jay, thanks for the reply. I use Andrews/Commscope LDF4-50b and FSJ4-50b Heliax with N type connectors. As mentioned, no instrument shows an SWR issue, not even the Acom. No issue with Alpha at full power either. I have even taken switches out of the RF chain. I've definitively ruled out an actual arc or SWR issue anywhere on the RF chain (and also, I believe, internal to the Acom itself).

However, the Acom still faults.

Brent WA0VY

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.6030 / Virus Database: 4360/10021 - Release Date: 06/15/15

[Non-text portions of this message have been removed]

Posted by: "Bill Hider" <n3rr@...>

Yahoo Groups Links

6647. RE: RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-15 19:47:55 UTC
From: Brent D. Rosenberg
Topic: 6640 Message: 6647

Yup, did that when I reset the RCU and lost all prior settings. In addition, every time I had a fault, I retuned at the problem frequency. Made no difference. Someone also asked if it was frequency or antenna related. I only actively use one antenna and this occurs most often on 17, but not sure it hasn’t also happened on 20. It has never happened on 40 and the Acom has been well used on 40. 15-10 have been so crappy lately that I haven’t tried on those bands.

Brent WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:24 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: Re: RE: [acom-list] Re: 2000A SWR Fault issue

Brent - that's good advice from Bill, N3RR. I had issues similar to yours - 80M only - and after serious headscratching I did the band segment tuning procedure (in the manual) and the issue went away and it has been smooth sailing since then. If you haven't tried that, see what happens. 47 and 73, Vic, W4VIC

Sent from my Verizon Wireless 4G LTE Smartphone

------ Original message------

From: 'Bill Hider' n3rr@... [acom-list]

Date: Mon, 6/15/2015 3:10 PM

To: acom-list@yahoogroups.com;

Cc: d48806@...;

Subject:RE: [acom-list] Re: 2000A SWR Fault issue

Brent,

You do not mention if this problem is antenna or frequency dependent so I'll suggest all the below items:

Have you tried:

- Testing the amp into a dummy load?

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From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 15, 2015 2:36 PM
To: acom-list@yahoogroups.com
Cc: d48806@tabletoptelephone.com
Subject: [acom-list] Re: 2000A SWR Fault issue

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[Non-text portions of this message have been removed]

6648. RE: RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-16 02:56:29 UTC
From: <aivers30868@...>
Topic: 6640 Message: 6648

Check the incoming and outgoing 239 connectors ON THE ACOM 2000a, I had to replace mine THEY were not making proper good connection, replacement solved all faults.

Joe W6VNR

-----Original Message-----
From: "'Brent D. Rosenberg' Bdr@... [acom-list]"
Sent: Jun 15, 2015 12:47 PM
To: acom-list@yahoogroups.com
Subject: RE: RE: [acom-list] Re: 2000A SWR Fault issue

?

Yup, did that when I reset the RCU and lost all prior settings. In addition, every time I had a fault, I retuned at the problem frequency. Made no difference. Someone also asked if it was frequency or antenna related. I only actively use one antenna and this occurs most often on 17, but not sure it hasn’t also happened on 20. It has never happened on 40 and the Acom has been well used on 40. 15-10 have been so crappy lately that I haven’t tried on those bands.
Brent WA0VY
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Sent: Monday, June 15, 2015 2:24 PM
To: acom-list@yahoogroups.com
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Subject: Re: RE: [acom-list] Re: 2000A SWR Fault issue
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Sent from my Verizon Wireless 4G LTE Smartphone
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From:?'Bill Hider' n3rr@... [acom-list]
Date:?Mon, 6/15/2015 3:10 PM
To:?acom-list@yahoogroups.com;
Cc:?d48806@tabletoptelephone.com;
Subject:RE: [acom-list] Re: 2000A SWR Fault issue
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Sent: Monday, June 15, 2015 2:36 PM
To: acom-list@yahoogroups.com
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However, the Acom still faults.

Brent WA0VY

No virus found in this message.
Checked by AVG - www.avg.com (http://www.avg.com)
Version: 2015.0.6030 / Virus Database: 4360/10021 - Release Date: 06/15/15

[Non-text portions of this message have been removed]

6649. Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-16 11:25:35 UTC
From: Eric Fowler
Topic: 6640 Message: 6649

Brent,

Sounds like you've ruled out the RF chain and isolated the problem to the amplifier itself. Have you opened the 2000A and inspected it for damage? Mine was banged around enough in shipping that the ceramic forms for the tank circuit coils had broken away from their bases and deformed the turns somewhat. I've never had your problem, but I'm thinking this might be one possible explanation. I could have had similar problems had I not taken the time to re-form the deformed part of the coils and glue the forms back onto their bases.

--
Thx & 73,
Eric / WV3E

6650. Re: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-17 07:03:41 UTC
From: Hans Remeeus
Topic: 6640 Message: 6650

Hello Joe,

You were not the only one who replaced both the SO-239.
If it's possible I replace all the SO-239's on my devices by
N-connectors from Rosenberger or Suhner.
Sooner or later SO-239 may give a lot of trouble. I don't trust them
anymore.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

aivers30868@... [acom-list] schreef op 16-6-2015 om 03:56:
>
>
> Check the incoming and outgoing 239 connectors ON THE ACOM 2000a, I
> had to replace mine THEY were not making proper good connection,
> replacement solved all faults.
>
> Joe W6VNR
>
> -----Original Message-----
> From: "'Brent D. Rosenberg' Bdr@... [acom-list]"
> Sent: Jun 15, 2015 12:47 PM
> To: acom-list@yahoogroups.com
> Subject: RE: RE: [acom-list] Re: 2000A SWR Fault issue
>
> Yup, did that when I reset the RCU and lost all prior settings. In
> addition, every time I had a fault, I retuned at the problem
> frequency. Made no difference. Someone also asked if it was
> frequency or antenna related. I only actively use one antenna and
> this occurs most often on 17, but not sure it hasn?t also happened
> on 20. It has never happened on 40 and the Acom has been well used
> on 40. 15-10 have been so crappy lately that I haven?t tried on
> those bands.
>
> Brent WA0VY
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Monday, June 15, 2015 2:24 PM
> *To:* acom-list@yahoogroups.com
> *Cc:* d48806@...

> *Subject:* Re: RE: [acom-list] Re: 2000A SWR Fault issue
>
> Brent - that's good advice from Bill, N3RR. I had issues similar
> to yours - 80M only - and after serious headscratching I did the
> band segment tuning procedure (in the manual) and the issue went
> away and it has been smooth sailing since then. If you haven't
> tried that, see what happens. 47 and 73, Vic, W4VIC
>
> Sent from my Verizon Wireless 4G LTE Smartphone
>
> ------ Original message------
>
> *From: *'Bill Hider' n3rr@... <mailto:n3rr@...>
> [acom-list]
>
> *Date: *Mon, 6/15/2015 3:10 PM
>
> *To: *acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>;
>
> *Cc: *d48806@...
> <mailto:d48806@...>;
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> *Subject:*RE: [acom-list] Re: 2000A SWR Fault issue
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> Brent,
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> You do not mention if this problem is antenna or frequency
> dependent so I'll
> suggest all the below items:
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> Have you tried:
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> - Testing on other bands?
>
> - Re-doing the auto tune procedures on the band(s) and/or
> antenna(s) where the problem is present?
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> - Re-doing item 3 above into the dummy load and trying item #1
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> Bill N3RR
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> Cc: d48806@... <mailto:d48806@...>
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> Jay, thanks for the reply. I use Andrews/Commscope LDF4-50b and
> FSJ4-50b
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> issue, not even the Acom. No issue with Alpha at full power
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> even taken switches out of the RF chain. I've definitively ruled
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> 06/15/15
>
> [Non-text portions of this message have been removed]
>
>
>
>

6651. ACOM 1010 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-17 15:24:53 UTC
From: Alan Young
Topic: 6651 Message: 6651

Hi all.

I have an ACOM 1010 that has been used less than 20 hours. I was so impressed with it I bought an ACOM 1000. Consequently, the 1010 has been in it’s box in a closet. I would like to sell it. a 10 out of 10. $1500

Alan Young
N5AGY
NNN0BAQ
NNN0GAU LA
AFA6AG

agyoung@...
225-328-0954

6652. RE: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-17 15:37:32 UTC
From: Brent D. Rosenberg
Topic: 6640 Message: 6652

I would like to do the same as the Acom is the only piece of equipment I own that uses SO 239's anyway. I have to use adapters to connect to the N type connectors on my Heliax, which is obviously a weak link. I have doubts about whether this could be the cause of my issue since the SWR and reflected power measurements on the RCU are all normal when the faults occur. On the other hand, since there is a suggestion that it may be frequency related (i.e., not seen a fault on 40 ever), it could be the cause. In any event, it would be better plumbing.

The other issue, of course, is whether making the change would void the warranty.

Brent D. Rosenberg WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, June 17, 2015 2:04 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: 2000A SWR Fault issue

Hello Joe,

You were not the only one who replaced both the SO-239.
If it's possible I replace all the SO-239's on my devices by N-connectors from Rosenberger or Suhner.
Sooner or later SO-239 may give a lot of trouble. I don't trust them anymore.

73, Hans.

Vriendelijke groeten,
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Communication is about people, the rest is technology.

aivers30868@... [acom-list] schreef op 16-6-2015 om 03:56:

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Joe W6VNR

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From: "'Brent D. Rosenberg' Bdr@... [acom-list]"
Sent: Jun 15, 2015 12:47 PM
To: acom-list@yahoogroups.com
Subject: RE: RE: [acom-list] Re: 2000A SWR Fault issue

Yup, did that when I reset the RCU and lost all prior settings. In addition, every time I had a fault, I retuned at the problem frequency. Made no difference. Someone also asked if it was frequency or antenna related. I only actively use one antenna and this occurs most often on 17, but not sure it hasn't also happened on 20. It has never happened on 40 and the Acom has been well used on 40. 15-10 have been so crappy lately that I haven't tried on those bands.

Brent WA0VY

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Sent: Monday, June 15, 2015 2:24 PM
To: acom-list@yahoogroups.com
Cc: d48806@...
Subject: Re: RE: [acom-list] Re: 2000A SWR Fault issue

Brent - that's good advice from Bill, N3RR. I had issues similar to yours - 80M only - and after serious headscratching I did the band segment tuning procedure (in the manual) and the issue went away and it has been smooth sailing since then. If you haven't tried that, see what happens. 47 and 73, Vic, W4VIC

Sent from my Verizon Wireless 4G LTE Smartphone

------ Original message------

From: 'Bill Hider' n3rr@... [acom-list]

Date: Mon, 6/15/2015 3:10 PM

To: acom-list@yahoogroups.com;

Cc: d48806@...;

Subject:RE: [acom-list] Re: 2000A SWR Fault issue

Brent,

You do not mention if this problem is antenna or frequency dependent so I'll suggest all the below items:

Have you tried:

- Testing the amp into a dummy load?

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Bill N3RR

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[Non-text portions of this message have been removed]

6653. Re: [acom-list] 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-17 16:07:06 UTC
From: dalej
Topic: 6640 Message: 6653

As for me I wouldn't bother installing N-type connectors on anything except for my 1.2 Ghz antenna. They are a PITA to put together, plus I've had the center pin retreat a couple times. A good quality PL/SO will be very excellent for all uses below 1.2 Ghz, maybe include 440 too, but that's all I'd bother with. If you use crimp type PL with heat shrink tubing then liquid tape it will be waterproof.

73
Dale, k9vuj

6654. Re: [acom-list] Re: 2000A SWR Fault issue

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-19 02:18:30 UTC
From: <aivers30868@...>
Topic: 6640 Message: 6654

interesting Hans!

Tnx

Joe, w6vnr

-----Original Message-----
From: "Hans Remeeus hans@... [acom-list]"
Sent: Jun 17, 2015 12:03 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: 2000A SWR Fault issue

?

Hello Joe,

You were not the only one who replaced both the SO-239.
If it's possible I replace all the SO-239's on my devices by N-connectors from Rosenberger or Suhner.
Sooner or later SO-239 may give a lot of trouble. I don't trust them anymore.

73, Hans.

Vriendelijke groeten,
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aivers30868@mypacks.net [acom-list] schreef op 16-6-2015 om 03:56:

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Joe W6VNR

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To: acom-list@yahoogroups.com
Subject: RE: RE: [acom-list] Re: 2000A SWR Fault issue

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Sent from my Verizon Wireless 4G LTE Smartphone

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------ Original message------

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Date:?Mon, 6/15/2015 3:10 PM

To:?acom-list@yahoogroups.com;

Cc:?d48806@tabletoptelephone.com;

Subject:RE: [acom-list] Re: 2000A SWR Fault issue

?

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again.

Bill N3RR

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Sent: Monday, June 15, 2015 2:36 PM
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Cc: d48806@...
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However, the Acom still faults.

Brent WA0VY

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Version: 2015.0.6030 / Virus Database: 4360/10021 - Release Date: 06/15/15

[Non-text portions of this message have been removed]

6655. ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-23 18:17:09 UTC
From: Hans Remeeus
Topic: 6655 Message: 6655

Dear groupmembers,

Today I added the ARRL reviews of HF Power Amplifiers, who are publised
in QST Magazine between 2000 and 2015 in my overview
http://www.remeeus.eu/hamradio/pa1hr/productreview.htm

Please let me know if this is of your interest and if you have any
comments or suggestions.

Tnx and 73, Hans.

--

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

6656. RE: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-24 18:13:53 UTC
From: Brent D. Rosenberg
Topic: 6655 Message: 6656

While the transceiver graph is interesting and potentially helpful, it does not present all data as apples-to-apples which seems fundamental to good science. The most glaring example of this is the 3rd order IMD data, in particular as to the Yeasu Ftdx 5000 and the Hilberling PT-8000A. The Yeasu 3rd order IMD is stated to be -43 db while the Hilberling is stated to be -26 db, which is an eye-popping, horrific, really, really lousy number. However, the Yeasu number is for class A operation at 75 watts and the Hilberling number is for "worst case, 160 meters" at 200 watts PEP. While not necessarily a fault of the graph, what transmitter nominally rated at 200 watts would NOT show significantly better IMD numbers if de-rated to 75 watts? For that reason, I've always considered that Yeasu Class A claim to be a bit slick.

Further, when you get a bit closer to apples-to-apples, the QST reviews actually note as follows:

Hilberling: 3rd/5th/7th/9th order IMD is "typically -35/-48/-54/-59."

Yeasu: 3rd/5th/7th/9th order IMD "worst case" "HF, 200 W PEP, -30/-48/-46/-47 dB."

No "typical" number is presented for the Yeasu.

The graph also presents some IMD figures with a symbol (~) denoting they are "typical" but then does not present other "typical" QST findings even where they exist in the review (e.g., "typical" numbers are noted in the QST review for both the Flex 6700 and the Hilberling, but the graph uses "worst case" numbers for the Hilberling and "typical" for the Flex [the latter also incorrectly as to 9th order]).

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73 Brent D. Rosenberg WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, June 23, 2015 1:17 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Dear groupmembers,

Today I added the ARRL reviews of HF Power Amplifiers, who are publised in QST Magazine between 2000 and 2015 in my overview
http://www.remeeus.eu/hamradio/pa1hr/productreview.htm

Please let me know if this is of your interest and if you have any comments or suggestions.

Tnx and 73, Hans.

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Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
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6657. Re: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-24 18:56:04 UTC
From: Hans Remeeus
Topic: 6655 Message: 6657

Hello Brent,

Many thanks for your comments; I really appreciate this!

I will try to find out why there is a difference in the overview between 'worst case' and 'typical'. If I am able to make a more fair presentation on this item I will correct it.

But first a four days trip to the Ham Radio in Friedrichshafen ;-) We are leaving tomorrow morning.

Thanks again and 73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Brent D. Rosenberg' Bdr@... [acom-list] schreef op 24-6-2015 om 20:13:

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> Please let me know if this is of your interest and if you have any
> comments or suggestions.
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> Tnx and 73, Hans.
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>
>

6658. Re: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-24 19:27:45 UTC
From: dalej
Topic: 6655 Message: 6658

And in fairness, lets take the K3 down to 40 watts and what is the IMD?. I use 40 watts because that is what I drive my amp with. Facts and figures can be manipulated, or shall we say, adjusted?

Dale, k9vuj

On 24, Jun 2015, at 13:13, "'Brent D. Rosenberg' Bdr@... [acom-list]" <acom-list@yahoogroups.com> wrote:

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Please let me know if this is of your interest and if you have any comments or suggestions.

Tnx and 73, Hans.

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6659. Acom 2S1

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-28 00:52:10 UTC
From: Lawrence Kellar
Topic: 6659 Message: 6659

Does anyone have any real world experience with this switch box? I want to wire us a TS-990 and a Flex 6500

Thanks
Lawrence

Sent from my iPhone

6660. Re: [acom-list] Acom 2S1

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-28 03:12:26 UTC
From: Dean St. Hill
Topic: 6659 Message: 6660

I cannot claim a tremendous amount of experience with this unit but I have used it and am planning to emply another in a future set-up.

First off this is designed for use by YAESU radios but having said that I believe it has been used with K3 rigs (wityh some modifications to rig and/or unit) but I have not personally seen this setup. It therefore comes from the factory with the necessary 2 cable sets to hook up to any 2 of Yaesu FT1000xx, FT2000, FT9000 and FTDX5000 rigs. (maybe others as well). I have personal experience only with it hooked up to a pair of Yaesu FT1000MPMK5 & MK5Field rigs. In that situation it worked very well and I was impressed.

I believe the main signal which Yaesu has which other rigs may or may not have is the "INHIBIT" signal - so the unit can prevent either of the rigs from going into TX when the other is in transmit and also when the other rig is not in the circuit (speaking from memory here - so subject to correction)

I would be extremely cautious therefore in hooking up dissimilar rigs especially where (to the best of my knowledge) the Kenwood may not have a similar "INHIBIT" signal compared to the Yaesu.

This used to be a pretty unique product but with the evolution of M2 and MM stations a couple other devices have come on the scene which perform the same function but using just about any rig. In this regard 4O3A.com has a somewhat similar product but it is somewhat more generic in its ability to handle most or all modern transceivers - http://4o3a.com/index.php/products/station-automation/lock-x

I'm not associated with either product company - just try to keep up with what is available for station upgrades.

Regards

Dean - 8P6SH / 8P2K

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Sat, Jun 27, 2015 at 8:52 PM, Lawrence Kellar lkellar@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
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> Does anyone have any real world experience with this switch box? I want to
> wire us a TS-990 and a Flex 6500
>
> Thanks
> Lawrence
>
> Sent from my iPhone
>
>

6661. Re: [acom-list] Acom 2S1

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-28 06:28:46 UTC
From: Brenton Meadows
Topic: 6659 Message: 6661

ahhhh, this I know a little about, unfortunately, the unit you have was
designed more for the Yaesu range(and a few others) as I wanted to dothe
same with my IC7850 and TS990 and found out I had the wrong unit for the
job in stock.
Sorry for the bad news, by the way, 1 Acom 2S1 for sale here in Australia
if anyone can use one.
cheers
Brenton
VK3CM

On Sun, Jun 28, 2015 at 10:52 AM, Lawrence Kellar lkellar@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
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> Thanks
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6662. HRO Ad - Who Would Notice?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-28 22:47:56 UTC
From: garfieldbill700@...
Topic: 6662 Message: 6662

Perhaps only another Acom owner would have caught this, but HRO's 4-page ad spread (top of page 109 in the July 2015 QST) advertises an Acom 1000. Just one problem, the picture above the ad copy is that of an Acom 1010. Oops.

73 - Bill - WB9FOP
Houston

6663. Re: HRO Ad - Who Would Notice?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-28 22:55:36 UTC
From: Robert Olschwang
Topic: 6662 Message: 6663

Been that way each month since they got the line last year. Proofreaders never fixed it.

73, Bob K7JQ

6664. Re: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-29 06:01:53 UTC
From: Hans Remeeus
Topic: 6655 Message: 6664

Hello Brent,

Today I changed the overview according to your comments. Thanks again! I hope this is more apples-to-apples. You will see that I added two figures: Class AB and Class A. And I corrected the 9th IMD of the Hilberling PT-8000A.

http://www.remeeus.eu/hamradio/pa1hr/productreview.htm

In Friedrichshafen I met the men from Hilberling again. We received very interesting information about their new Linear Amplifier; two inputs, four outputs, Pre Distortion. And a bunch of N-type connectors.

I also spoke with the Acom man. Nice to see their two new amplifiers; UFB!

73, Hans.

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24-6-2015 om 20:13:
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6665. RE: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-29 16:08:19 UTC
From: Brent D. Rosenberg
Topic: 6655 Message: 6665

Hans, this looks good. Many thanks.

Brent D. Rosenberg WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, June 29, 2015 1:02 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ARRL Reviews of HF Power Amplifiers publised in QST Magazine

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6666. Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-29 21:41:26 UTC
From: Hans Remeeus
Topic: 6666 Message: 6666

Hello group!

In Friedrichshafen Acom introduced two new Linear Amplifiers; the
Acom2100 and the solid state Acom1200S.

Acom2100:
1.8 to 54 MHz.
Single 4CX1000A tube.
1500 Watt continuous carrier, no mode limit.
IMD: better than 32db below rated output.
13.5dB gain typically.
3500VA consumption at rated output.
29.3kg/64.6lbs.
Virtually silent QSK.
OLED comment display.

Acom1200S:
5" high resolution color display.
BLF188 NXP MOSFET's.
50 Watt RF drive power.
1.8 to 54 MHz.
Remotely controlled by RS232 interface.
93 till 265 Volt.
1000 Watt PEP, of 1200 Watt continuous carrier typically.
IMD3 better than 30dB below rated PEP output.
RF power gain: 13dB.
2000VA or less power consumption at full power.
12kg/26.5lbs.

Expected 2nd half of 2015.

I have photo's and leaflets.

73, Hans.

--

Vriendelijke groeten,
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http://www.hansremeeus.nl
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6667. Re: Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-30 18:42:58 UTC
From: pa3hgt@...
Topic: 6666 Message: 6667

New amps..... i am curious if there will be a successor for the Acom 2000A in the near future.Do you know something about that,Hans?

Hans,PA3HGT

6668. Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-30 19:47:12 UTC
From: Dean St. Hill
Topic: 6666 Message: 6668

Interesting question. Wonder if that A2000 is really being challenged in its position. Maybe OM Power has challenged it effectively? But in its price range it's still difficult to beat the A2000. I suspect most manufacturers will be spending more time developing Solid State Amps - which seems to be where the buzz is right now. Companies like Expert Amps must surely be challenging amps like the A2000. What that A2000 has though is a simple and classic design which has been proven in the most difficult situations for over a decade.

We'll see what the future holds.

Dean - 8P6SH

Dean St.Hill

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246-416-5277

dmsthill@... <dmsthill@...>

On Tue, Jun 30, 2015 at 2:42 PM, pa3hgt@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> New amps..... i am curious if there will be a successor for the Acom 2000A
> in the near future.Do you know something about that,Hans?
>
> Hans,PA3HGT
>
>
>

6669. RE: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-30 20:18:09 UTC
From: Chris Emanuel
Topic: 6666 Message: 6669

Is the New ACOM 2100 Auto Tune and will it have the Remote Control Unit ?

Chris
W6FTA

To: acom-list@yahoogroups.com
From: acom-list@...m
Date: Tue, 30 Jun 2015 11:42:58 -0700
Subject: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

New amps..... i am curious if there will be a successor for the Acom 2000A in the near future.Do you know something about that,Hans?
Hans,PA3HGT

6670. RE: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-06-30 23:15:09 UTC
From: Bob Naumann
Topic: 6666 Message: 6670

Chris,

I saw them both in Friedrichshafen this past weekend. Also saw Val, LZ1VB there.

The new Acom 2100 (no "A" following the model # is your clue) is not Automatic.

The 2100 is essentially an upgrade to the 1500 as it is manual tune, but it has the same power supply as the 2000A including the same removable transformer and like the 1500, with a single 4CX1000 tube final. A little more headroom in the power supply.

The 2100, as does the 1500 (which is *not* being discontinued) covers 160 thru 6m.

The 1200S ("S" signifies solid state) is a 1kW solid state amplifier and it also covers 160 thru 6m, and is basically the same as the 600S, but with 400w more - to 1kW output.

Both are new models with the new Acom styling - black anodized front panels - very elegant in appearance.

Both should be available around January 2016.

73,

Bob W5OV

DX Engineering

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, June 30, 2015 4:18 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Is the New ACOM 2100 Auto Tune and will it have the Remote Control Unit ?

Chris
W6FTA

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 30 Jun 2015 11:42:58 -0700
Subject: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

New amps..... i am curious if there will be a successor for the Acom 2000A in the near future.Do you know something about that,Hans?

Hans,PA3HGT

6671. ACOM 2000A replacement battery

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 00:46:10 UTC
From: martins160@...
Topic: 6671 Message: 6671

Well, my 2000A has just informed me the internal battery needs replacing.
This is a 2001 vintage unit with the older style control board.

Does anyone have experience replacing the battery?
It looks like it's soldered in.....ugh....
I'm interested in perhaps changing that to a socket type replacement battery.
I also have no idea as to the battery number...I believe it's a 3v lithium-ion

I'd appreciate any help in this process....from ideas as to what the battery
number is and what I can use in a socket configuration etc.

I will contact Array Solutions Service if no one here can help

Thanks

Martin ka7gkn

6672. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:02:17 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6672

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom2100/Acom2100_leaflet_july2015.jpg
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom2100/Acom2100_leaflet_july2015.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6673. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:03:06 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6673

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom2100/Acom2100_leaflet_july2015_B.jpg
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom2100/Acom2100_leaflet_july2015_B.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6674. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:06:17 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6674

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom2100/DSC_0027.JPG
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom2100/DSC_0027.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6675. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:07:33 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6675

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom2100/DSC_0026.JPG
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom2100/DSC_0026.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6676. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:08:58 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6676

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom1200S/DSC_0027.JPG
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom1200S/DSC_0027.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6677. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:10:07 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6677

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom1200S/Acom1200S_leaflet_july2015.jpg
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom1200S/Acom1200S_leaflet_july2015.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6678. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:11:03 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6678

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom1200S/Acom1200S_leaflet_july2015_B.jpg
Uploaded by : pa1hr <hans@...>
Description :

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom1200S/Acom1200S_leaflet_july2015_B
.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6679. Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 05:30:21 UTC
From: Hans Remeeus
Topic: 6666 Message: 6679

Hello Hans,

Still to successor for the Acom2000A. Perhaps there is no need to ;-)
The Acom2000A still is a very interesting amplifier. Actually the only
things I wish, are two inputs and three or four outputs.

Tomorrow I uploaded the two leaflets of the Acom1200S and Acom2100 and
two foto's of them to the files area of the Acom Yahoo group. You
received notifications of them.

73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

pa3hgt@... [acom-list] schreef op 30-6-2015 om 20:42:
>
>
> New amps..... i am curious if there will be a successor for the Acom
> 2000A in the near future.Do you know something about that,Hans?
>
> Hans,PA3HGT
>
>
>

6680. Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 12:16:51 UTC
From: W1JCW
Topic: 4 Message: 6680

I'm an Acom fan based on my love for the 2K. Never a problem and customer service is top notch anywhere you get it.

I'm fortunate that I'm not far from Array Solutions and Jay is a great guy to deal with.

Can't wait to see what comes out next from Acom.

Acom Rocks.

73-

W1JCW

John

6681. Re: [acom-list] Acom

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-01 13:54:23 UTC
From: Brenton Meadows
Topic: 4 Message: 6681

Hey John,

I too can only agree with you on the Acom 2000, I am on my 2nd Acom 2000 with the new controller and I just love it. Sure, 6m would be a nice addition but not at the cost of that breath in the microphone band change, its just so quiet and smooth in every way.

Agreed also on Jay at Array Solutions, he helps us heaps down under here in Australia as well, its a great team effort whether it be from Jay or the factory, and like yourself, excited about what happens next of course.

If the 2000 does see an upgrade, wow, its going to be hard to not get in early and have a play,

Acom Rocks, your right, thats a great statement that I just loved reading...Keep up the great work over there in Bulgaria, your setting the standard for the rest of the world to catch up to....

Cheers
Brenton
VK3CM

On Wed, Jul 1, 2015 at 10:16 PM, W1JCW w1jcw@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> I'm an Acom fan based on my love for the 2K. Never a problem and customer
> service is top notch anywhere you get it.
>
>
>
> I'm fortunate that I'm not far from Array Solutions and Jay is a great guy
> to deal with.
>
>
>
> Can't wait to see what comes out next from Acom.
>
>
>
> Acom Rocks.
>
>
>
> 73-
>

> W1JCW
>
> John
>
>
>

6682. Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 05:14:06 UTC
From: pa3hgt@...
Topic: 6666 Message: 6682

Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a troublefree and quiet design ;-) It's my second Acom 2000a but i had no the slightest problem with it.

6683. Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 13:25:35 UTC
From: W1JCW
Topic: 6666 Message: 6683

I would buy another Acom over any other amp.

Go big or go home….Acom 2k !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 12:14 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a troublefree and quiet design ;-) It's my second Acom 2000a but i had no the slightest problem with it.

6684. Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 13:35:19 UTC
From: Barry N1EU
Topic: 6666 Message: 6684

Are there any rumors on the 1200S price?

73, Barry N1EU

On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> I would buy another Acom over any other amp.
>
>
>
> Go big or go home….Acom 2k !
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, July 02, 2015 12:14 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Re: Two new Acom linears: Acom2100 and
> Acom1200S.
>
>
>
>
>
>
> Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a
> troublefree and quiet design ;-) It's my second Acom 2000a but i had no
> the slightest problem with it.
>
>
>

6685. RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:31:55 UTC
From: Máximo EA1DDO_HK1H
Topic: 6666 Message: 6685

My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 09:35:19 -0400
Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Are there any rumors on the 1200S price?
73, Barry N1EU
On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@hotmail.com [acom-list]
<acom-list@yahoogroups.com> wrote:

I would buy another Acom over any other amp. Go big or go home….Acom 2k ! 73-W1JCWJohn
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 12:14 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S. Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a troublefree and quiet design ;-) It's my second Acom 2000a but i had no the slightest problem with it.

6686. Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:35:48 UTC
From: W1JCW
Topic: 6686 Message: 6686

Yes that sounds great !

I'll take one !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 9:32 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

6687. Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:41:37 UTC
From: Hans Remeeus
Topic: 6666 Message: 6687

Val told me in Friedrichshafen. I thought to hear about 3.495 Euro. But
I am not 100% sure.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Barry N1EU barry.n1eu@... [acom-list] schreef op 2-7-2015 om 15:35:
>
>
> Are there any rumors on the 1200S price?
>
> 73, Barry N1EU
>
> On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@...
> <mailto:w1jcw@...> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> I would buy another Acom over any other amp.
>
> Go big or go home?.Acom 2k !
>
> 73-
>
> W1JCW
>
> John
>
> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>]
> *Sent:* Thursday, July 02, 2015 12:14 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] Re: Two new Acom linears: Acom2100 and
> Acom1200S.
>
> Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a
> troublefree and quiet design ;-) It's my second Acom 2000a but i
> had no the slightest problem with it.
>
>
>

>
>

6688. Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:49:07 UTC
From: Hans Remeeus
Topic: 6666 Message: 6688

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34
This is scary!

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

M?ximo EA1DDO_HK1H ea1ddo@... [acom-list] schreef op 2-7-2015 om
16:31:
>
>
> My wish for the Acom 2000A;
>
> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.
>
> 73, Maximo - EA1DDO
>
>
>
> ---
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 2 Jul 2015 09:35:19 -0400
> Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.
>
>
> Are there any rumors on the 1200S price?
>
> 73, Barry N1EU
>
> On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@...
> <mailto:w1jcw@...> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
>
> I would buy another Acom over any other amp.

>
> Go big or go home?.Acom 2k !
>
> 73-
>
> W1JCW
>
> John
>
> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>]
> *Sent:* Thursday, July 02, 2015 12:14 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] Re: Two new Acom linears: Acom2100 and
> Acom1200S.
>
> Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a
> troublefree and quiet design ;-) It's my second Acom 2000a but i
> had no the slightest problem with it.
>
>
>
>
>
>
>
>

6689. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:40:20 UTC
From: Hans Remeeus
Topic: 6686 Message: 6689

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34
This is scary!

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

W1JCW w1jcw@... [acom-list] schreef op 2-7-2015 om 16:35:
>
>
> Yes that sounds great !
>
> I?ll take one !
>
> 73-
>
> W1JCW
>
> John
>
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, July 02, 2015 9:32 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.
>
> My wish for the Acom 2000A;
>
> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.
>
> 73, Maximo - EA1DDO
>
>
>
>

6690. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:57:39 UTC
From: drew@...
Topic: 6686 Message: 6690

Predistortion is not an amplifier function.

6691. RE: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 15:01:26 UTC
From: Máximo EA1DDO_HK1H
Topic: 6686 Message: 6691

As far I know, pre-distorsion is happening in the (SDR) transceiver.
The only think we can do in the amp is to provide an sample output.

73, Maximo

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 16:40:20 +0200
Subject: Re: [acom-list] Acom 2K - Wish list features

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when
you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34

This is scary!

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

W1JCW w1jcw@... [acom-list]
schreef op 2-7-2015 om 16:35:

Yes that sounds
great !

I’ll take one !

73-
W1JCW
John

From:
acom-list@yahoogroups.com
[mailto:acom-list@yahoogroups.com]

Sent: Thursday, July 02, 2015 9:32 AM

To: acom-list@yahoogroups.com

Subject: RE: [acom-list] Two new Acom linears:
Acom2100 and Acom1200S.

My
wish for the Acom 2000A;

.- Several antenna outputs

.- LAN/Ethernet connection (NOT serial, NOT USB) and
computer control.

73, Maximo - EA1DDO

6692. Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 14:56:30 UTC
From: Barry N1EU
Topic: 6666 Message: 6692

Yes, it would be nice if new amplifiers would provide a secondary
attenuated output (~-50dB) for use as a pre-distortion sample input.

Barry N1EU

On Thu, Jul 2, 2015 at 10:49 AM, Hans Remeeus hans@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
>
> Pre-distortion!!
>
> Actually a must for every transceiver and power amplifier, when you do SSB.
>
> Please view the two pictures at this site:
> https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34
> This is scary!
>
> 73, Hans.
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Máximo EA1DDO_HK1H ea1ddo@... [acom-list] schreef op 2-7-2015 om
> 16:31:
>
> My wish for the Acom 2000A;
>
> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.
>
> 73, Maximo - EA1DDO
>
>
>
> ------------------------------
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 2 Jul 2015 09:35:19 -0400
> Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.
>
>
>
> Are there any rumors on the 1200S price?

>
> 73, Barry N1EU
>
> On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>
>
> I would buy another Acom over any other amp.
>
>
>
> Go big or go home….Acom 2k !
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, July 02, 2015 12:14 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Re: Two new Acom linears: Acom2100 and
> Acom1200S.
>
>
>
>
> Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a
> troublefree and quiet design ;-) It's my second Acom 2000a but i had no
> the slightest problem with it.
>
>
>
>
>
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>
>

6693. RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 15:26:23 UTC
From: Máximo EA1DDO_HK1H
Topic: 6666 Message: 6693

We need to stay tuned because 4O3A will launch an amplifier soon, and we know how his devices are...
Acom needs to speed up !!

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 10:56:30 -0400
Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Yes, it would be nice if new amplifiers would provide a secondary attenuated output (~-50dB) for use as a pre-distortion sample input.
Barry N1EU
On Thu, Jul 2, 2015 at 10:49 AM, Hans Remeeus hans@... [acom-list] <acom-list@yahoogroups.com> wrote:

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34

This is scary!

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Máximo EA1DDO_HK1H ea1ddo@...
[acom-list] schreef op 2-7-2015 om 16:31:

My wish for the Acom 2000A;

.- Several antenna outputs

.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com

From: acom-list@yahoogroups.com

Date: Thu, 2 Jul 2015 09:35:19 -0400

Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Are there any rumors on the 1200S price?

73, Barry N1EU

On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@... [acom-list] <acom-list@yahoogroups.com> wrote:

I would buy another Acom over any other amp.

Go big or go home….Acom 2k !

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W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]

Sent: Thursday, July 02, 2015 12:14 AM

To: acom-list@yahoogroups.com

Subject: Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a troublefree and quiet design ;-) It's my second Acom 2000a but i had no the slightest problem with it.

6694. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 15:24:09 UTC
From: Hans Remeeus
Topic: 6686 Message: 6694

Correct. In Friedrichshafen we saw the new Hilberling HPA-8000B Power Amplifier with such a pre-distortion output. I have photo's of it.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
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> As far I know, pre-distorsion is happening in the (SDR) transceiver.
> The only think we can do in the amp is to provide an sample output.
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> 73, Maximo
>
>
> ---
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 2 Jul 2015 16:40:20 +0200
> Subject: Re: [acom-list] Acom 2K - Wish list features
>
>
> Pre-distortion!!
>
> Actually a must for every transceiver and power amplifier, when you do
> SSB.
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> This is scary!
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> 73, Hans.
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> op 2-7-2015 om 16:35:
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> Yes that sounds great !
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> I?ll take one !
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> John
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> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, July 02, 2015 9:32 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* RE: [acom-list] Two new Acom linears: Acom2100 and
> Acom1200S.
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> My wish for the Acom 2000A;
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> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer
> control.
>
> 73, Maximo - EA1DDO
>
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>
>
>
>

6695. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 15:32:37 UTC
From: Hans Remeeus
Topic: 6686 Message: 6695

Correct. In Friedrichshafen we saw the new Hilberling HPA-8000B Power Amplifier with such a pre-distortion output. I have photo's of it.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

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>

6696. Acom 2K - Wish list features - Please post

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 17:07:07 UTC
From: W1JCW
Topic: 6696 Message: 6696

Please post photos.

73-

W1JCW

John

From: acom-list@...m [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 10:33 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2K - Wish list features

Correct. In Friedrichshafen we saw the new Hilberling HPA-8000B Power
Amplifier with such a pre-distortion output. I have photo's of it.

73, Hans.

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Máximo EA1DDO_HK1H ea1ddo@... <mailto:ea1ddo@...>
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The only think we can do in the amp is to provide an sample output.

73, Maximo

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Date: Thu, 2 Jul 2015 16:40:20 +0200
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W1JCW

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My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

6697. Re: [acom-list] Acom 2K - Wish list features - Please post

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 17:07:32 UTC
From: Bruce Felder
Topic: 6696 Message: 6697

> On Jul 2, 2015, at 12:07 PM, W1JCW w1jcw@... [acom-list] <acom-list@yahoogroups.com>
wrote:
>
>
> Please post photos.
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>
> From: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>]
> Sent: Thursday, July 02, 2015 10:33 AM
> To: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> Subject: Re: [acom-list] Acom 2K - Wish list features
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> Correct. In Friedrichshafen we saw the new Hilberling HPA-8000B Power Amplifier with such
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> 73, Hans.
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> Vriendelijke groeten,
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> Communication is about people, the rest is technology.
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>>> 73-
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6698. RE: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 17:53:43 UTC
From: Brent D. Rosenberg
Topic: 6686 Message: 6698

Hans, if Hilberling has added such an output to the HPA, they must intend to use it with the PT 8000A. However, no one mentioned that to me at Dayton and I was embedded with that group for two days. Maybe I didn□t ask the right questions or perhaps the HPA will be released in EU zone before USA. In any event, that is big news.

Brent D. Rosenberg WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 10:33 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2K - Wish list features

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Máximo EA1DDO_HK1H ea1ddo@hotmail.com [acom-list] schreef op 2-7-2015 om 17:01:

As far I know, pre-distorsion is happening in the (SDR) transceiver.
The only think we can do in the amp is to provide an sample output.

73, Maximo

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 16:40:20 +0200
Subject: Re: [acom-list] Acom 2K - Wish list features

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Actually a must for every transceiver and power amplifier, when you do SSB.

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This is scary!

73, Hans.

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Yes that sounds great !

I☐ll take one !

73-

W1JCW

John

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To: acom-list@yahoogroups.com
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My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

6699. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 17:59:41 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6699

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Pre-distortion and Pure Signal/DSC_0023.JPG
Uploaded by : pa1hr <hans@...>
Description : Connectordeck of the Hilberling HPA-8000B

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Pre-distortion%20and%20Pure%20Signal/DSC_0023.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

pa1hr <hans@...>

6700. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 18:08:38 UTC
From: Hans Remeeus
Topic: 6686 Message: 6700

Hello Brent,

I just uploaded a photo of the connectordeck of the Hilberling HPA-8000B.
Eight N-type connectors; 4 antennas and 2 transceivers.
SMA for the Pre-distortion output.

IMHO this is an excellent example for many other manufacturers of Linear Amplifiers!

Hilberling made this feature for SDR's like the ANAN, not for their PT-8000A. Did you read the test of the Anan-100 in RSGB's Radcom?

I will ask Hans for more details about this feature on the HPA-8000B.
The price is 6k Euro. Available from October 2015. Serious pre-ordering is possible, without payment in advance.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
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'Brent D. Rosenberg' Bdr@... [acom-list] schreef op
2-7-2015 om 19:53:
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> 73-
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> W1JCW
>
> John
>
> *From:*acom-list@yahoogroups.com
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6701. RE: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 18:21:18 UTC
From: Brent D. Rosenberg
Topic: 6686 Message: 6701

Hans was not at Dayton this year so I missed meeting him. I have a call into the US rep on the question of whether this will interface with the PT and whether a software update is coming accordingly. I will advise when I know more.

Brent D. Rosenberg

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 1:09 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2K - Wish list features

Hello Brent,

I just uploaded a photo of the connectordeck of the Hilberling HPA-8000B.
Eight N-type connectors; 4 antennas and 2 transceivers.
SMA for the Pre-distortion output.

IMHO this is an excellent example for many other manufacturers of Linear Amplifiers!

Hilberling made this feature for SDR's like the ANAN, not for their PT-8000A. Did you read the test of the Anan-100 in RSGB's Radcom?

I will ask Hans for more details about this feature on the HPA-8000B. The price is 6k Euro. Available from October 2015. Serious pre-ordering is possible, without payment in advance.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

'Brent D. Rosenberg' Bdr@... [acom-list] schreef op 2-7-2015 om 19:53:

Hans, if Hilberling has added such an output to the HPA, they must intend to use it with the PT 8000A. However, no one mentioned that to me at Dayton and I was embedded with that group for two days. Maybe I didn□t ask the right questions or perhaps the HPA will be released in EU zone before USA. In any event, that is big news.

Brent D. Rosenberg WA0VY

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 10:33 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2K - Wish list features

Correct. In Friedrichshafen we saw the new Hilberling HPA-8000B Power Amplifier with such a pre-distortion output. I have photo's of it.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Máximo EA1DDO_HK1H ea1ddo@... [acom-list] schreef op 2-7-2015 om 17:01:

As far I know, pre-distorsion is happening in the (SDR) transceiver.
The only think we can do in the amp is to provide an sample output.

73, Maximo

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 16:40:20 +0200
Subject: Re: [acom-list] Acom 2K - Wish list features

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog
<https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34>
&view=entry&id=34
This is scary!

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

W1JCW w1jcw@... [acom-list] schreef op 2-7-2015 om 16:35:

Yes that sounds great !

I☐ll take one !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 9:32 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

6702. RE: [acom-list] Acom 2K - Wish list features - Please post

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 18:45:47 UTC
From: Máximo EA1DDO_HK1H
Topic: 6696 Message: 6702

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 12:07:07 -0500
Subject: [acom-list] Acom 2K - Wish list features - Please post

Please post photos. 73-W1JCWJohn From: acom-list@yahoogroups.com
[mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 10:33 AM
To: acom-list@...m
Subject: Re: [acom-list] Acom 2K - Wish list features
Correct. In Friedrichshafen we saw the new Hilberling HPA-8000B Power Amplifier with such a pre-distortion output. I have photo's of it.

73, Hans.

Vriendelijke groeten,Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nlCommunication is about people, the rest is technology. M?ximo EA1DDO_HK1H ea1ddo@... [acom-list] schreef op 2-7-2015 om 17:01:As far I know, pre-distorsion is happening in the (SDR) transceiver.
The only think we can do in the amp is to provide an sample output.

73, Maximo

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 16:40:20 +0200
Subject: Re: [acom-list] Acom 2K - Wish list features

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34
This is scary!

73, Hans.

Vriendelijke groeten,Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nlCommunication is about people, the rest is technology. W1JCW w1jcw@... [acom-list] schreef op 2-7-2015 om 16:35:Yes that sounds great ! I?ll take one ! 73-W1JCWJohn From: acom-list@yahoogroups.com
[mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 9:32 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S. My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

[Non-text portions of this message have been removed]

6703. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 18:52:37 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6703

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Pre-distortion and Pure Signal/Hilberling.jpg
Uploaded by : ea1ddo <ea1ddo@...>
Description : HPA-8000B Rear

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Pre-distortion%20and%20Pure%20Signal/Hilberling.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ea1ddo <ea1ddo@...>

6704. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 19:04:53 UTC
From: dalej
Topic: 318 Message: 6704

N connectors?? Why? They are a PITA to assemble plus more expensive plus they are not needed. IF I were buying one of these (which I'm not) I would specify SO-239.
How much is this amp in U.S. dollars?

Dale, k9vuj

On 02, Jul 2015, at 13:52, acom-list@yahoogroups.com wrote:

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Pre-distortion and Pure Signal/Hilberling.jpg
Uploaded by : ea1ddo <ea1ddo@...>
Description : HPA-8000B Rear

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Pre-distortion%20and%20Pure%20Signal/Hilberling.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

ea1ddo <ea1ddo@...>

6705. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-02 19:21:50 UTC
From: Brenton Meadows
Topic: 6686 Message: 6705

A lot of our customers have wanted 6m added to the Acom 2000A so any new model, this would be a great addition.
So far, the Acom 2000A remains the winner over here in Australia for multiple reasons, I would suggest it may be a while before an upgrade is on the cards being that the current amplifier is selling so well. That being said, the two new ones came as a complete surprise so who knows, an announcement could happen in the 2016/2017 years, we keep our eyes glued to the forum, it seems to be a great source of information, even as dealers.
cheers
Brenton
VK3CM
North East Victoria
Australia

On Fri, Jul 3, 2015 at 12:35 AM, W1JCW w1jcw@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Yes that sounds great !
>
>
>
> I'll take one !
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, July 02, 2015 9:32 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.
>
>
>
>
>
> My wish for the Acom 2000A;

>
> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.
>
> 73, Maximo - EA1DDO
>
>
>

6706. 4CX1000A vs 4CX1500B query

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 01:52:28 UTC
From: Dean St. Hill
Topic: 6706 Message: 6706

Hi guys

I was wondering a couple things now that Acom has launched another amplifier using the 4CX1000A tube. My queries are really only based on Alpha's replacement of the 4CX1000A with a 4CX1500B in the 8410 amplifier. I am asking for my own knowledge and not to be mischievous in any way.

I wondered basically first IF the two tubes are direct replacements for each other and if so whether there would be any advantage or whether it was even possible to replace the 4CX1000 in the A1500 with a 4CX1500B.

Secondly are both tubes capable of 1500W output with the appropriate power supply or is there any advantage of using a 4CX1500B in terms of design.

Regards

Dean - 8P6SH / 8P2K

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Thu, Jul 2, 2015 at 10:49 AM, Hans Remeeus hans@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
>
> Pre-distortion!!
>
> Actually a must for every transceiver and power amplifier, when you do SSB.
>
> Please view the two pictures at this site:
> https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34
> This is scary!
>
> 73, Hans.
>

> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
> Máximo EA1DDO_HK1H ea1ddo@... [acom-list] schreef op 2-7-2015 om
> 16:31:
>
> My wish for the Acom 2000A;
>
> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.
>
> 73, Maximo - EA1DDO
>
>
>
> ------------------------------
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Thu, 2 Jul 2015 09:35:19 -0400
> Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.
>
>
>
> Are there any rumors on the 1200S price?
>
> 73, Barry N1EU
>
> On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>
>
> I would buy another Acom over any other amp.
>
>
>
> Go big or go home….Acom 2k !
>
>
>
> 73-
>
> W1JCW
>
> John
>
>
>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]

> *Sent:* Thursday, July 02, 2015 12:14 AM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Re: Two new Acom linears: Acom2100 and
> Acom1200S.
>
>
>
>
> Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a
> troublefree and quiet design ;-) It's my second Acom 2000a but i had no
> the slightest problem with it.
>
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>

6707. RE: [acom-list] 4CX1000A vs 4CX1500B query

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 03:17:38 UTC
From: Doug W0WSP
Topic: 6706 Message: 6707

Different filament and screen grid voltages and a different socket.

Doug W0WSP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 8:52 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] 4CX1000A vs 4CX1500B query

Hi guys

I was wondering a couple things now that Acom has launched another amplifier using the 4CX1000A tube. My queries are really only based on Alpha's replacement of the 4CX1000A with a 4CX1500B in the 8410 amplifier. I am asking for my own knowledge and not to be mischievous in any way.

I wondered basically first IF the two tubes are direct replacements for each other and if so whether there would be any advantage or whether it was even possible to replace the 4CX1000 in the A1500 with a 4CX1500B.

Secondly are both tubes capable of 1500W output with the appropriate power supply or is there any advantage of using a 4CX1500B in terms of design.

Regards

Dean - 8P6SH / 8P2K

Dean St.Hill

<https://docs.google.com/uc?export=download&id=0By918SGtISNKMXRtbVM4OGZBYU0&revid=0By918SGtISNKdmhsZXZDV25Kc3QvaXdJTTZoYTRQVUVXSFdRPQ>

Barbados.JustAskLocals.com

It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City

St.Philip

Barbados

246-825-2039

246-416-5277

dmsthill@gmail.com

On Thu, Jul 2, 2015 at 10:49 AM, Hans Remeeus hans@... [acom-list] <acom-list@yahoogroups.com> wrote:

Pre-distortion!!

Actually a must for every transceiver and power amplifier, when you do SSB.

Please view the two pictures at this site:
https://sdrzone.com/index.php?option=com_easyblog
<https://sdrzone.com/index.php?option=com_easyblog&view=entry&id=34> &view=entry&id=34
This is scary!

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Máximo EA1DDO_HK1H ea1ddo@... [acom-list] schreef op 2-7-2015 om 16:31:

My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

_____

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 2 Jul 2015 09:35:19 -0400
Subject: Re: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

Are there any rumors on the 1200S price?

73, Barry N1EU

On Thu, Jul 2, 2015 at 9:25 AM, W1JCW w1jcw@... [acom-list] <acom-list@yahoogroups.com>
wrote:

I would buy another Acom over any other amp.

Go big or go home….Acom 2k !

73-

W1JCW

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 12:14 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Two new Acom linears: Acom2100 and Acom1200S.

Have the same wish ... 3 or 4 outputs.The Acom 2000a itself is a troublefree and quiet design ;-) It's my second Acom 2000a but i had no the slightest problem with it.

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

6708. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 04:06:35 UTC
From: Hans Remeeus
Topic: 318 Message: 6708

Hello Dale,

Here in Europe there hardly is a difference in price between N-type and
M-type connectors (of good quality). Both cost a few Euro's. Perhaps
because Suhner and Rosenberger are European companies and Amphenol is
US. In Europe N-type connectors are very common and widely used.

Mechanically N-type connectors are better, so are BNC. If installed
correctly, but that's obvious.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

dalej dj2001x@... [acom-list] schreef op 2-7-2015 om 21:04:
> N connectors?? Why? They are a PITA to assemble plus more expensive plus they are not
needed. IF I were buying one of these (which I'm not) I would specify SO-239.
> How much is this amp in U.S. dollars?
>
> Dale, k9vuj
>
>
> On 02, Jul 2015, at 13:52, acom-list@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the acom-list
> group.
>
> File : /Pre-distortion and Pure Signal/Hilberling.jpg
> Uploaded by : ea1ddo <ea1ddo@...>
> Description : HPA-8000B Rear
>
> You can access this file at the URL:
> https://groups.yahoo.com/neo/groups/acom-list/files/Pre-distortion%20and%20Pure%20Signal
/Hilberling.jpg
>
> To learn more about file sharing for your group, please visit:
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>

> Regards,
>
> ea1ddo <ea1ddo@...>
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> Yahoo Groups Links
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6709. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 09:18:04 UTC
From: dalej
Topic: 318 Message: 6709

Hello Hans,

They are connectors used in UHF and above and outside in the wx. I use them on my 1.2 Ghz antenna and I have a dozen or so in my connector kit, but I just hate putting them together, plus there are several different designs. I just don't think they are needed on the back of a amplifier, it would mess up my whole shack scheme going from PL to N and back and forth.

I have no plans on buying the amp. Just curious why they'd put N's on the back of a HF amp, what-ever.

Thanks for posting the picture and your info about it.

73
Dale, K9VUJ

On 02, Jul 2015, at 23:06, Hans Remeeus hans@... [acom-list] <acom-list@yahoogroups.com> wrote:

Hello Dale,

Here in Europe there hardly is a difference in price between N-type and M-type connectors (of good quality). Both cost a few Euro's. Perhaps because Suhner and Rosenberger are European companies and Amphenol is US. In Europe N-type connectors are very common and widely used.

Mechanically N-type connectors are better, so are BNC. If installed correctly, but that's obvious.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)

http://www.remeeus.eu
http://www.hansremeeus.nl

Communication is about people, the rest is technology.

dalej dj2001x@... [acom-list] schreef op 2-7-2015 om 21:04:
> N connectors?? Why? They are a PITA to assemble plus more expensive plus they are not needed. IF I were buying one of these (which I'm not) I would specify SO-239.
> How much is this amp in U.S. dollars?
>
> Dale, k9vuj
>
>
> On 02, Jul 2015, at 13:52,

> acom-list@yahoogroups.com
> wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
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> group.
>
> File : /Pre-distortion and Pure Signal/Hilberling.jpg
> Uploaded by : ea1ddo
> <ea1ddo@...>
>
> Description : HPA-8000B Rear
>
> You can access this file at the URL:
>
> https://groups.yahoo.com/neo/groups/acom-list/files/Pre-distortion%20and%20Pure%20Signal
/Hilberling.jpg
>
>
> To learn more about file sharing for your group, please visit:
>
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
>
> Regards,
>
> ea1ddo
> <ea1ddo@hotmail.com>
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> acom-list-fullfeatured@yahoogroups.com
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6710. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 09:58:49 UTC
From: Hans Remeeus
Topic: 318 Message: 6710

Hello Dale,

You are very right, not messing up your shack.

In our hobby there is one big issue that matters: do what you think is
the best for *you* and what makes *you* happy, without harassing others.

73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

dalej dj2001x@... [acom-list] schreef op 3-7-2015 om 11:18:
> Hello Hans,
>
> They are connectors used in UHF and above and outside in the wx. I use them on my 1.2 Ghz antenna and I have a dozen or so in my connector kit, but I just hate putting them together, plus there are several different designs. I just don't think they are needed on the back of a amplifier, it would mess up my whole shack scheme going from PL to N and back and forth.
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> I have no plans on buying the amp. Just curious why they'd put N's on the back of a HF amp, what-ever.
>
> Thanks for posting the picture and your info about it.
>
> 73
> Dale, K9VUJ
>
>
> On 02, Jul 2015, at 23:06, Hans Remeeus hans@... [acom-list] <acom-list@yahoogroups.com> wrote:
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>
> Hello Dale,
>
> Here in Europe there hardly is a difference in price between N-type and M-type connectors (of good quality). Both cost a few Euro's. Perhaps because Suhner and Rosenberger are European companies and Amphenol is US. In Europe N-type connectors are very common and widely used.
>
> Mechanically N-type connectors are better, so are BNC. If installed correctly, but that's obvious.

>
> 73, Hans.
>
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
>
> http://www.remeeus.eu
> http://www.hansremeeus.nl
>
> Communication is about people, the rest is technology.
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> dalej dj2001x@... [acom-list] schreef op 2-7-2015 om 21:04:
>> N connectors?? Why? They are a PITA to assemble plus more expensive plus they are not needed. IF I were buying one of these (which I'm not) I would specify SO-239.
>> How much is this amp in U.S. dollars?
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>> On 02, Jul 2015, at 13:52,
>> acom-list@yahoogroups.com
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>>
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>> Hello,
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>> This email message is a notification to let you know that
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>>
>> File : /Pre-distortion and Pure Signal/Hilberling.jpg
>> Uploaded by : ea1ddo
>> <ea1ddo@...>
>>
>> Description : HPA-8000B Rear
>>
>> You can access this file at the URL:
>>
>> https://groups.yahoo.com/neo/groups/acom-list/files/Pre-distortion%20and%20Pure%20Signal/Hilberling.jpg
>>
>>
>> To learn more about file sharing for your group, please visit:
>>
>> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>>
>>
>> Regards,

>>
>> ea1ddo
>> <ea1ddo@...>
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>> Yahoo Groups Links
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>> acom-list-fullfeatured@yahoogroups.com
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6711. New 1000 finally here

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 12:10:39 UTC
From: NC3Z
Topic: 6711 Message: 6711

What an amazingly quiet amp, when I had an Icom PW-1 I had to remote it to a cubby hole behind the desk to minimize the noise. The 1000 is front and center in my operating desk with no noise issues, and looks very handsome doing so.

Although I may never need them I found two GU74B that were still in a sealed bag and local, and at $130 each I could not resist.

--

Gary Mitchelson
NC3Z/4 Pamlico County, NC FM15
www.mitchelson.org

6712. Re: [acom-list] New 1000 finally here

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 13:14:25 UTC
From: Jim Cox
Topic: 6711 Message: 6712

The 1000 is a great amp, a bargain for sure. Love it.. 73s Jim K4JAF

From: mailto:acom-list@yahoogroups.com
Sent: Friday, July 03, 2015 7:10 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] New 1000 finally here

What an amazingly quiet amp, when I had an Icom PW-1 I had to remote it to a cubby hole behind the desk to minimize the noise. The 1000 is front and center in my operating desk with no noise issues, and looks very handsome doing so.

Although I may never need them I found two GU74B that were still in a sealed bag and local, and at $130 each I could not resist.

--

Gary Mitchelson
NC3Z/4 Pamlico County, NC FM15
www.mitchelson.org

6713. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 14:14:44 UTC
From: Dave
Topic: 318 Message: 6713

One reason I could think of is the SO-239 connectors (female PL259) on
the Acom 2000A seem to develop a problem over time where the center pins
spread apart and cause intermittent connections with some PL-259 connectors.
I had this on my amp and changed out the connectors to Amphenol brand
chassis mount SO-239 connectors. Nice and tight now :-)

Dave wo2x

On 7/3/2015 5:18 AM, dalej dj2001x@... [acom-list] wrote:
> Hello Hans,
>
> They are connectors used in UHF and above and outside in the wx. I use them on my 1.2 Ghz antenna and I have a dozen or so in my connector kit, but I just hate putting them together, plus there are several different designs. I just don't think they are needed on the back of a amplifier, it would mess up my whole shack scheme going from PL to N and back and forth.
>
> I have no plans on buying the amp. Just curious why they'd put N's on the back of a HF amp, what-ever.
>
> Thanks for posting the picture and your info about it.
>
> 73
> Dale, K9VUJ
>

6714. Re: [acom-list] New 1000 finally here

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 14:17:50 UTC
From: Dave
Topic: 6711 Message: 6714

Congrats on the new Acom 1000. I've had a lot of different amps here.
The solid state amps need to move air across the heat sink and can get
very noisy when the secondary stage fans kick in.

Dave wo2x

On 7/3/2015 8:10 AM, NC3Z nc3z@... [acom-list] wrote:
>
> What an amazingly quiet amp, when I had an Icom PW-1 I had to remote it
> to a cubby hole behind the desk to minimize the noise. The 1000 is front
> and center in my operating desk with no noise issues, and looks very
> handsome doing so.
>
> Although I may never need them I found two GU74B that were still in a
> sealed bag and local, and at $130 each I could not resist.
>
> --
>
> Gary Mitchelson
> NC3Z/4 Pamlico County, NC FM15
> www.mitchelson.org
>
>

6715. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 17:15:40 UTC
From: Tom_N2SR
Topic: 6686 Message: 6715

I would like the ability to control the tuning memories remotely. That is, if I change from say STACK to HIGH antenna, I would like the tuning memory to change to the HIGH memory location.

Probably needs to be tied in with relays, logic converters, or something.

Tom, N2SR

From: "W1JCW w1jcw@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Thursday, July 2, 2015 10:35 AM
Subject: [acom-list] Acom 2K - Wish list features

  Yes that sounds great ! I'll take one ! 73-W1JCWJohn From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 9:32 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.   My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

6716. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 17:41:12 UTC
From: garfieldbill700@...
Topic: 318 Message: 6716

Dave,
Something else you can do **before** the factory SO-239 connectors wear out is to install a double male together with a double female (Amphenol 83-877 & 83-1J respectively). The "genuine Amphenol" 83-1J will last a lot longer than the cheap Chinese connector plus it is far easier to swap out if the need later arises.

For the cost as well as the perceived quality of a high-end amplifier you would have thought Acom would have used genuine Amphenol 83-1R (SO-239) connectors. It's a small incremental cost that can later lead to problems that otherwise shouldn't happen. Only my 2¢ worth.

73 - Bill - WB9FOP

6717. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 17:45:01 UTC
From: brian
Topic: 6686 Message: 6717

My knowledge is dated. However, I'd like to see a simple ASCII command set that permits access to most things. Maybe that has already happened. I never was able to figure out the old system of controlling things over the RS232 connector. Tried pretty hard but ended up with no joy and lots of infinite loops.

For example,
I was never able to tell the amp to change from ANT X to ANT Y for a particular segment (that was to allow for things like your stack or different antennas for same band). The tunings would needed would go with the antenna.

It would also be great to permit analog inputs for things like antenna selection/ segment -- like an external A/B switch or BCD. I'm guessing most of us have non-ACOM antenna switches and selection schemes that don't interface well (or at all) with the 2000. The ACOM needs to get this info somehow.

73 de Brian/K3KO

On 7/3/2015 17:15 PM, Tom_N2SR tom_n2sr@... [acom-list] wrote:
>
>
> I would like the ability to control the tuning memories remotely. That
> is, if I change from say STACK to HIGH antenna, I would like the
> tuning memory to change to the HIGH memory location.
>
> Probably needs to be tied in with relays, logic converters, or something.
>
> Tom, N2SR
>
>
> ---
> *From:* "W1JCW w1jcw@... [acom-list]" <acom-list@yahoogroups.com>
> *To:* acom-list@yahoogroups.com
> *Sent:* Thursday, July 2, 2015 10:35 AM
> *Subject:* [acom-list] Acom 2K - Wish list features
>
> Yes that sounds great !
> I'll take one !
> 73-
> W1JCW
> John
> *From:*acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Thursday, July 02, 2015 9:32 AM
> *To:* acom-list@yahoogroups.com

> *Subject:* RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.
> My wish for the Acom 2000A;
>
> .- Several antenna outputs
> .- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.
>
> 73, Maximo - EA1DDO
>
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6081 / Virus Database: 4392/10152 - Release Date: 07/03/15
>

6718. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 17:53:09 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6718

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /TXNoise.pdf
Uploaded by : skipdashu <sguenter@...>
Description : Splatter boxes on row 2.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/TXNoise.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

skipdashu <sguenter@...>

6719. Re: [acom-list] New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 18:06:26 UTC
From: Dave
Topic: 318 Message: 6719

Hi Bill

Yes, that would be fine on a new amp but I bought mine used and it was four years old at the time. Besides, I had the Amphenol so-239 connectors left over in my connector box from back in the Motorla shop days.

I bought a spare set of tubes from Vine in England and they are equal to the originals. Murphy's Law - if you have a spare set, the tubes will not fail!

I've had a bunch of different auto tune amps, Quadra, PW1, three 9500s, and the OM2500A. The Acom 2000A is my favorite. Good power out and very quiet compared to the others, even quieter than the 9500.
Using it with the Flex 6500 and DDUtil makes it truly automatic with the Palstar AT Auto. Switch bands and the tuner (if needed on that band) and amp already QSY before the first dit is sent!

Dave wo2x

Sent from my iPad

> On Jul 3, 2015, at 1:41 PM, garfieldbill700@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Dave,
> Something else you can do **before** the factory SO-239 connectors wear out is to install a double male together with a double female (Amphenol 83-877 & 83-1J respectively). The "genuine Amphenol" 83-1J will last a lot longer than the cheap Chinese connector plus it is far easier to swap out if the need later arises.
>
> For the cost as well as the perceived quality of a high-end amplifier you would have thought Acom would have used genuine Amphenol 83-1R (SO-239) connectors. It's a small incremental cost that can later lead to problems that otherwise shouldn't happen. Only my 2¢ worth.
>
> 73 - Bill - WB9FOP
>
>

6720. Re: New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-03 18:10:23 UTC
From: sguenter@...
Topic: 318 Message: 6720

Sorry folks uploaded to wrong group... but you may find of some interest anyway since it's sorta on topic with the IMD discussion currently going on.

6721. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-04 01:06:40 UTC
From: Ronald Sigismonti
Topic: 6686 Message: 6721

Tom, why not use Antenna Master by WC1M like I do. It has a great interface to the ACOM and automatically tunes the ACOM for the antenna setting you choose.

73 de Sig

On Jul 3, 2015, at 1:15 PM, Tom_N2SR tom_n2sr@...m [acom-list] wrote:

I would like the ability to control the tuning memories remotely. That is, if I change from say STACK to HIGH antenna, I would like the tuning memory to change to the HIGH memory location.

Probably needs to be tied in with relays, logic converters, or something.

Tom, N2SR

From: "W1JCW w1jcw@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Thursday, July 2, 2015 10:35 AM
Subject: [acom-list] Acom 2K - Wish list features

Yes that sounds great !

I'll take one !

73-
W1JCW
John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, July 02, 2015 9:32 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Two new Acom linears: Acom2100 and Acom1200S.

My wish for the Acom 2000A;

.- Several antenna outputs
.- LAN/Ethernet connection (NOT serial, NOT USB) and computer control.

73, Maximo - EA1DDO

6722. Re: [acom-list] Acom 2K - Wish list features

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-04 10:07:25 UTC
From: david@...
Topic: 6686 Message: 6722

Sig, I just get a 'sign in' message on WC1M's Antenna Master link. Is there any other source of info on the Antenna Master? Google comes up short.
73 David G3WGN M6O

---In acom-list@yahoogroups.com, <n3rs@...> wrote :

Tom, why not use Antenna Master by WC1M like I do. It has a great interface to the ACOM and automatically tunes the ACOM for the antenna setting you choose.

73 de Sig

On Jul 3, 2015, at 1:15 PM, Tom_N2SR tom_n2sr@... mailto:tom_n2sr@... [acom-list] wrote:

I would like the ability to control the tuning memories remotely. That is, if I change from say STACK to HIGH antenna, I would like the tuning memory to change to the HIGH memory location.

Probably needs to be tied in with relays, logic converters, or something.

Tom, N2SR

6723. Acom 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-06 19:38:57 UTC
From: gm3yts@...
Topic: 6723 Message: 6723

on warm up after 80 secs I get Auto Protection SB2B which indicates Output Relay Closed. I have removed all external connections to the relay but the fault still occurs.

Any ideas/Solutions ?

73 Rob GM3YTS

6724. Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-06 19:39:28 UTC
From: gm3yts@...
Topic: 1393 Message: 6724

When I switch on after 80 seconds I get auto protection SB2B. I have unplugged the plug from the Transceiver to the amp bit it still happens. The fault SB2B indicates the ouput relay closed.

Any help appreciated.

73 Rob GM3YTS

6725. RE: [acom-list] Acom 1000 problem

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-07 10:48:49 UTC
From: Bob Naumann
Topic: 6723 Message: 6725

It sounds like the vacuum relay needs to be replaced.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, July 06, 2015 3:39 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 1000 problem

on warm up after 80 secs I get Auto Protection SB2B which indicates Output Relay Closed. I have removed all external connections to the relay but the fault still occurs.

Any ideas/Solutions ?

73 Rob GM3YTS

6726. New overview with Acom 600S

Yahoo group: acom-list (2010 — 2016)
Date: 2015-07-11 07:42:30 UTC
From: Hans Remeeus
Topic: 6726 Message: 6726

Dear groupmembers,

Today I received the digital QST issue August 2015, so I could add the
*Acom 600**S* in my overview.

I also added two new columns: 'Driving Power' and 'Output Power, CW'.

http://www.remeeus.eu/hamradio/pa1hr/productreview.htm

You may send this link to other interested groups or persons.

I hope to read your comments or possible improvements.

Tnx and 73, Hans.

--
Vriendelijke groeten,
Hans Remeeus (PA1HR)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

6727. 2S1 switch question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-01 19:26:11 UTC
From: AB2E Darrell
Topic: 6727 Message: 6727

Hello all,
I have a question for those of you with a 2S1 / 2000A combination.
I have a 756 ProIII and a K3 I would like to set up for a basic but occasional SO2R.
Is anyone currently using the 2S1 to feed 2 radios to the Acom2000A in an SO2R configuration?
I would be using N1MM+ for the contest software.

Please contact me with your comments on the 2S1 off-list at ab2e@...

73 Darrell AB2E

6728. Acom 600S to K3

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 00:28:04 UTC
From: ron@...
Topic: 6728 Message: 6728

I bought an Acom 600S and had a BCD Band Data Cat Connection Cable made up. Unfortunately I simply cannot determine the CAT/Aux Settings to use in order to enable communication between the 600S and the radio.

The CAT connection manual available on the Acom website provides two cable alternatives for the K3--a K3 RS232 CAT connection cable on Page 3 and a K3BCD Band Data CAT connection cable on Page 4. The "Help" screen in the Amp only appears to provide settings for RS232 users. I'd like to hear from anyone that can help, I'm stuck.

73//k5mm/ron

6729. RE: [acom-list] Acom 600S to K3

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 02:24:11 UTC
From: Ron Freeman
Topic: 6728 Message: 6729

I discovered the following settings enable communication between 600S and K3 via the BCD Band Data Cat Connection Cable:

1. Interface = BCD

2. Command Set =5

3. Baud rate = 9600

4. Byte Spacing = 0

5. Polling Time = 500

The Amp is puts out 600 watts with 18 watts of drive. The manuals are either terrible or I’ve been spoiled by Elecraft, Alpha and other OEMs.

Hope this saves someone else some time.

73//k5mm/ron

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: August 03, 2015 07:28 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 600S to K3

I bought an Acom 600S and had a BCD Band Data Cat Connection Cable made up. Unfortunately I simply cannot determine the CAT/Aux Settings to use in order to enable communication between the 600S and the radio.

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73//k5mm/ron

6730. RE: [acom-list] Acom 600S to K3

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 12:26:04 UTC
From: Ira Neal
Topic: 6728 Message: 6730

many of us tend to forget.
our new radios and amplifiers
for the most part are computer clones,
thus we need to get them both on the same playing field. Ergo, shake hands.
73
ke4ex

Fair winds and
following seas
boats.
Galaxy S5
On Aug 3, 2015 10:24 PM, "'Ron Freeman' ron@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> I discovered the following settings enable communication between 600S and
> K3 via the BCD Band Data Cat Connection Cable:
>
>
>
> 1. Interface = BCD
>
> 2. Command Set =5
>
> 3. Baud rate = 9600
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> 4. Byte Spacing = 0
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>
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> either terrible or I’ve been spoiled by Elecraft, Alpha and other OEMs.
>
>
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> Hope this saves someone else some time.
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>
>
> 73//k5mm/ron
>
>

>
>
>
>
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> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* August 03, 2015 07:28 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* [acom-list] Acom 600S to K3
>
>
>
>
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>
>
>
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> alternatives for the K3--a K3 RS232 CAT connection cable on Page 3 and a
> K3BCD Band Data CAT connection cable on Page 4. The "Help" screen in the
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> from anyone that can help, I'm stuck.
>
>
>
> 73//k5mm/ron
>
>
>
>
>

6731. Re: [acom-list] Acom 600S to K3

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 13:07:27 UTC
From: brian
Topic: 6728 Message: 6731

Ira,
K3 has no handshaking. Just TXD,RXD.
In fact the only radio I know that has handshaking is the TS-480. There are undoubtedly others.

73 de Brian/K3KO
On 8/4/2015 12:26 PM, Ira Neal grassybranch@... [acom-list] wrote:
>
>
> many of us tend to forget.
> our new radios and amplifiers
> for the most part are computer clones,
> thus we need to get them both on the same playing field. Ergo, shake
> hands.
> 73
> ke4ex
>
> Fair winds and
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> Galaxy S5
>
> On Aug 3, 2015 10:24 PM, "'Ron Freeman' ron@...
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> <mailto:acom-list@yahoogroups.com>> wrote:
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> 1.Interface = BCD
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>
> 3.Baud rate = 9600
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> 4.Byte Spacing = 0
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> manuals are either terrible or I’ve been spoiled by Elecraft,
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> 73//k5mm/ron
>
> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>
> [mailto:acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>]
> *Sent:* August 03, 2015 07:28 PM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* [acom-list] Acom 600S to K3
>
> I bought an Acom 600S and had a BCD Band Data Cat Connection
> Cable made up. Unfortunately I simply cannot determine the CAT/Aux
> Settings to use in order to enable communication between the 600S
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> stuck.
>
> 73//k5mm/ron
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6086 / Virus Database: 4401/10370 - Release Date: 08/04/15
>

6732. RE: [acom-list] Acom 600S to K3

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 15:19:30 UTC
From: Ron Freeman
Topic: 6728 Message: 6732

The BCD Band Data Cat Connetion allows the amp to pre-tune when the radio changes band i.e. the Amp follows the radio.

The cable is not a “need” but a “want” for an avaialble 600S feature..

73//k5mm/ron

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, August 04, 2015 8:07 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 600S to K3

Ira,
K3 has no handshaking. Just TXD,RXD.
In fact the only radio I know that has handshaking is the TS-480. There are undoubtedly others.

73 de Brian/K3KO
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> <mailto:acom-list@yahoogroups.com>> wrote:
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>
> 73//k5mm/ron
>
> *From:*acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>
> [mailto:acom-list@yahoogroups.com
<mailto:acom-list@yahoogroups.com%20%3cmailto:acom-list@yahoogroups.com%3e>
<mailto:acom-list@yahoogroups.com>]
> *Sent:* August 03, 2015 07:28 PM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* [acom-list] Acom 600S to K3
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> 4. The "Help" screen in the Amp only appears to provide settings
> for RS232 users. I'd like to hear from anyone that can help, I'm
> stuck.
>
> 73//k5mm/ron
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6086 / Virus Database: 4401/10370 - Release Date: 08/04/15
>

6733. TR indicator

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 15:56:10 UTC
From: spikepost@...
Topic: 6733 Message: 6733

I seem to have a slightly weird problem on my Acom 1000.
If I use the TR tune indicator, it appears to be some 250 - 300w LESS output, than if you tune "for maximum smoke"
This seems to apply to all bands.
The amp is a 2002 model, which I have owned for some 5 years.
The amp was sent for a service recently, because I thought it had low power output, and always thought it had from buying it 2nd hand!
It appears that's never been the case, and it performs just as it should, (It came back with a report of 1000w plus on all bands) if you ignore the tuning indicator.
So, anyone else had this occur, and/or, is there any means of adjusting the TR arrow location in the display ??
Thanks all
Spike - G0CVL

6734. RE: [acom-list] TR indicator

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 18:54:44 UTC
From: Kees - pa7two
Topic: 6733 Message: 6734

Hi Spike,

Happened twice to me while servicing Acom 1000 units. Why unit not TR re-adjusted while under service recently?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 4 Aug 2015 08:56:10 -0700
Subject: [acom-list] TR indicator

I seem to have a slightly weird problem on my Acom 1000.
If I use the TR tune indicator, it appears to be some 250 - 300w LESS output, than if you tune "for maximum smoke"
This seems to apply to all bands.
The amp is a 2002 model, which I have owned for some 5 years.
The amp was sent for a service recently, because I thought it had low power output, and always thought it had from buying it 2nd hand!
It appears that's never been the case, and it performs just as it should, (It came back with a report of 1000w plus on all bands) if you ignore the tuning indicator.
So, anyone else had this occur, and/or, is there any means of adjusting the TR arrow location in the display ??
Thanks all
Spike - G0CVL

6735. RE: [acom-list] TR indicator

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-04 19:10:26 UTC
From: spikepost@...
Topic: 6733 Message: 6735

I don't know Kees, but do you know how to adjust the indicator please ??

6736. RE: [acom-list] TR indicator

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-08 12:49:43 UTC
From: Kees - pa7two
Topic: 6733 Message: 6736

I think it is best to contact Stan Lekov (or any other service representative) from Acom for detailed instructions on how to re-adjust the TR indicator if you intend to perform these tasks yourself Sir.

I was just wondering while the unit was under service this re-adjustemet was not taken into account, esspecially when you brought the Acom amp for service for this specific issue?

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 4 Aug 2015 12:10:26 -0700
Subject: RE: [acom-list] TR indicator

I don't know Kees, but do you know how to adjust the indicator please ??

6737. Re: [acom-list] TR indicator

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-08 13:09:20 UTC
From: brian
Topic: 6733 Message: 6737

This is interesting.
The ACOM1000 is so quiet that one can't hear the T/R -- unlike many
other amps.
Usually that's good.

73 de Brian/K3KO
On 8/8/2015 12:49 PM, Kees - pa7two pa7two@... [acom-list] wrote:
>
>
> I think it is best to contact Stan Lekov (or any other service
> representative) from Acom for detailed instructions on how to
> re-adjust the TR indicator if you intend to perform these tasks
> yourself Sir.
>
> I was just wondering while the unit was under service this
> re-adjustemet was not taken into account, esspecially when you brought
> the Acom amp for service for this specific issue?
>
>
> Vy 73, de Kees - PA7TWO - M5TWO
> DX IS and CW RULES!
>
> Twitter: @PA7TWO
>
>
>
> ---
> To: acom-list@yahoogroups.com
> From: acom-list@yahoogroups.com
> Date: Tue, 4 Aug 2015 12:10:26 -0700
> Subject: RE: [acom-list] TR indicator
>
> I don't know Kees, but do you know how to adjust the indicator please ??
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6086 / Virus Database: 4401/10393 - Release Date: 08/07/15
>

6738. Acom 1010 - new user

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-12 06:49:13 UTC
From: g3tkk
Topic: 6738 Message: 6738

Hello all

Just got my new 1010 amplifier and have an issue when using SSB.

Tuning up with CW mode goes ok. FTdx300 gives about 20 watts and I get 200 plus out of the amp with easy and clean tuning. No reflected power.

Keying the rig goes OK with just the green LEDs showing power out.

When I turn the mode over to say USB then talking into the mic sends the FWD green LEDs off the scale with even the red ones at the end of the row lighting up. No reflected power lights on but the G1 LED flickers too.

Using very low mic gain and processor settings makes no difference so is this how it works or is there a problem now??

Any thoughts would be appreciated

73s

Peter G3TKK

6739. RE: [acom-list] Acom 1010 - new user

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-12 07:16:01 UTC
From: John Lemay
Topic: 6738 Message: 6739

It sounds very much as though power on SSB from your radio is more than 20w watts. Check the level.

John G4ZTR

_____

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 12 August 2015 07:49
To: Acom Group
Subject: [acom-list] Acom 1010 - new user

Hello all

Just got my new 1010 amplifier and have an issue when using SSB.

Tuning up with CW mode goes ok. FTdx300 gives about 20 watts and I get 200 plus out of the amp with easy and clean tuning. No reflected power.

Keying the rig goes OK with just the green LEDs showing power out.

When I turn the mode over to say USB then talking into the mic sends the FWD green LEDs off the scale with even the red ones at the end of the row lighting up. No reflected power lights on but the G1 LED flickers too.

Using very low mic gain and processor settings makes no difference so is this ho w it works or is there a problem now??

Any thoughts would be appreciated

73s

Peter G3TKK

6740. RE: [acom-list] Acom 1010 - new user

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-12 08:02:56 UTC
From: g3tkk
Topic: 6738 Message: 6740

John

Many thanks, spot on.

Got a menu setting wrong in the rig.

Peter

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 12 August 2015 08:16
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 1010 - new user

It sounds very much as though power on SSB from your radio is more than 20w watts. Check the level.

John G4ZTR

From: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com> [mailto:acom-list@yahoogroups.com]
Sent: 12 August 2015 07:49
To: Acom Group
Subject: [acom-list] Acom 1010 - new user

Hello all

Just got my new 1010 amplifier and have an issue when using SSB.

Tuning up with CW mode goes ok. FTdx300 gives about 20 watts and I get 200 plus out of the amp with easy and clean tuning. No reflected power.

Keying the rig goes OK with just the green LEDs showing power out.

When I turn the mode over to say USB then talking into the mic sends the FWD green LEDs off the scale with even the red ones at the end of the row lighting up. No reflected power lights on but the G1 LED flickers too.

Using very low mic gain and processor settings makes no difference so is this ho w it works or is there a problem now??

Any thoughts would be appreciated

73s

Peter G3TKK

6741. ACOM 2000A - HV-reading fault, RCU display fault and shorted tube.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-12 12:08:56 UTC
From: la7dfa@...
Topic: 6741 Message: 6741

My 16 year old ACOM 2000A recently got three different faults at once.
The display and leds of the RCU suddenly behaved totally crazy, scrolling and random lighing up.

At first I suspected the lov voltage supply. So I decided to replace the electrolytic capacitors on the low voltage board. I found C2 (grid) was leaking a bit, but else they seemed OK. Replaced the five big caps anyway. This did not make any difference, but I actually got an error message about low grid voltage, and later various low readings on the HV.

Then I cleaned and reseated the CPU in the RCU. This solved the RCU problem.

The voltage to the grid were OK at start, but during the startup sequence (after 100 seconds) it dropped to 40V (=shorted grid).
This indicated a faulty tube. I bought new tubes and installed them. Adjusted the grid currents. I also had to replace one of the four resistors in the HV metering circuit, it measured ~3MOhms instead of 1M.

After a few days the RCU acted up again. I reseated the CPU, and it now seems to work fine. I had to reset the RCU to get rid of a minor display error. The AC(OM 2000A) were black.

6742. RE: [acom-list] Acom 1010 - new user

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-12 12:50:01 UTC
From: Kees - pa7two
Topic: 6738 Message: 6742

Hi Peter,

What is the radio/model type where the SSB power needs to be set in an internal menu? That is SO inconveniant...

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 12 Aug 2015 09:02:56 +0100
Subject: RE: [acom-list] Acom 1010 - new user

John Many thanks, spot on. Got a menu setting wrong in the rig. Peter From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 12 August 2015 08:16
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Acom 1010 - new user It sounds very much as though power on SSB from your radio is more than 20w watts. Check the level. John G4ZTR From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 12 August 2015 07:49
To: Acom Group
Subject: [acom-list] Acom 1010 - new user Hello all Just got my new 1010 amplifier and have an issue when using SSB. Tuning up with CW mode goes ok. FTdx300 gives about 20 watts and I get 200 plus out of the amp with easy and clean tuning. No reflected power. Keying the rig goes OK with just the green LEDs showing power out. When I turn the mode over to say USB then talking into the mic sends the FWD green LEDs off the scale with even the red ones at the end of the row lighting up. No reflected power lights on but the G1 LED flickers too. Using very low mic gain and processor settings makes no difference so is this ho w it works or is there a problem now?? Any thoughts would be appreciated 73s Peter G3TKK

6743. Re: [acom-list] ACOM 2000A - HV-reading fault, RCU display fault and shorted tube.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-14 04:20:58 UTC
From: <aivers30868@...>
Topic: 6741 Message: 6743

interesting, good to know thanks. ?If contects are dirty or starting to give issues I use "DEOXIT" a spray, works wonders, But I have yet to use it on my ACOM.

Joe, w6vnr

-----Original Message-----
From: "la7dfa@... [acom-list]"
Sent: Aug 12, 2015 5:08 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A - HV-reading fault, RCU display fault and shorted tube.

My 16 year old ACOM 2000A recently got three different faults at once.
The display and leds of the RCU suddenly behaved totally crazy, scrolling and random lighing up.

At first I suspected the lov voltage supply.? So I decided to replace the electrolytic capacitors on the low voltage board.? I found C2 (grid) was leaking a bit, but else they seemed OK.? Replaced the five big caps anyway.? This did not make any difference, but I actually got an error message about low grid voltage, and later various low readings on the HV.

Then I cleaned and reseated the CPU in the RCU.? This solved the RCU problem.

The voltage to the grid were OK at start, but during the startup sequence (after 100 seconds) it dropped to 40V (=shorted grid).
This indicated a faulty tube.? I bought new tubes and installed them.? Adjusted the grid currents.? I also had to replace one of the four resistors in the HV metering circuit, it measured ~3MOhms instead of 1M.

After a few days the RCU acted up again. I reseated the CPU, and it now seems to work fine. I had to reset the RCU to get rid of a minor display error.? The AC(OM 2000A) were black.

6744. acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-15 08:12:05 UTC
From: E.P
Topic: 5596 Message: 6744

i like to ask you is the Acom 1000 i have pull more then 300Ma ?to be connected to the Anan 100dthank you 73 elan g0uut

6745. Re: [acom-list] acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-15 11:48:34 UTC
From: Mike Harris
Topic: 5596 Message: 6745

Elan,

I assume you are referring to the PTT current for the amp. I have just
measured:

PTT voltage 11.6V
PTT current 10.5mA

You can check it easily by just measuring the voltage at the unplugged
end of your PTT cable and then shorting it with the meter set to current.

I hope I've guessed your question correctly.

Regards,

Mike VP8NO

On 15/08/2015 05:12, 'E.P' paimg0uut@... [acom-list] wrote:
> i like to ask you is the Acom 1000 i have pull more then 300Ma ?to be connected to the
Anan 100dthank you 73 elan g0uut
>

6746. Re: [acom-list] acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-15 12:37:44 UTC
From: E.P
Topic: 5596 Message: 6746

hello Mike yes thank you very much / no it was the PTT on the anan 100D on the back side there is PTT plug but if it is not 300ma it is 100% ok thank you for doing this and thank you for your time 73 elan g0uut

On Saturday, 15 August 2015, 12:48, "Mike Harris mike.harris@... [acom-list]" <acom-list@yahoogroups.com> wrote:

  Elan,

I assume you are referring to the PTT current for the amp. I have just measured:

PTT voltage 11.6V
PTT current 10.5mA

You can check it easily by just measuring the voltage at the unplugged end of your PTT cable and then shorting it with the meter set to current.

I hope I've guessed your question correctly.

Regards,

Mike VP8NO

On 15/08/2015 05:12, 'E.P' paimg0uut@... [acom-list] wrote:
> i like to ask you is the Acom 1000 i have pull more then 300Ma ?to be connected to the Anan 100dthank you 73 elan g0uut
>

6747. Filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-22 15:34:27 UTC
From: martins160@...
Topic: 6747 Message: 6747

Summer can be dusty in the shack....Do you have pets?
Pet dander clogs filters.

This is a reminder for those of you with amplifies that have filters
[aka 2000A series] to remove and clean the filter.

I have found by keeping the external filter clean the amp runs cooler, and
the insides keep clean.

Martin ka7gkn

6748. ACOM 2000A parameter adjustments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-22 15:42:58 UTC
From: martins160@...
Topic: 6748 Message: 6748

My line voltage is 240VAC. when in the measure mode my RCU
displays line voltage at 245VAC. This is an instantaneous measurement!
My line voltage does fluctuate from 238-252VAC or 5% over time.

At what point should I go to the control board and adjust the voltmeter
reading to match the external reading [accuracy]?
I also see similar variances with some other parameters like exhaust air
temperature .....

Has anyone adjusted any other parameters?

My 2000A is about 14 plus years old and has the early control board.
I have almost 6000 hours on the original tubes. The amp runs perfectly
except for some parameter variances compared to external measurements.

I have done the EBS modification without incident!

Martin ka7gkn

6749. Re: [acom-list] ACOM 2000A parameter adjustments

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-22 16:38:40 UTC
From: Rick ve3mm
Topic: 6748 Message: 6749

Hi Martin

If I remember correctly the 2000A ADC reads the voltage in 2 volt steps, so a 5 volt difference on the Mains Measurement is not out very much in my opinion. Maybe you could consider just leaving it alone for now.

I had a situation with my 2000A, where my line voltage was 240 V and the RCU was displaying it as 255V or so. All of the measurement parameters were out and the amp failed to start up. I did a repair which involved replacement of a trimmer pot RC2 in the op amp feeding the ADC.

You may want to go back in the list archives and seach for my post 6610 which has some info that may be useful for you.

73

Rick ve3mm

On Sat, Aug 22, 2015 at 11:42 AM, martins160@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> My line voltage is 240VAC. when in the measure mode my RCU
> displays line voltage at 245VAC. This is an instantaneous measurement!
> My line voltage does fluctuate from 238-252VAC or 5% over time.
>
> At what point should I go to the control board and adjust the voltmeter
> reading to match the external reading [accuracy]?
> I also see similar variances with some other parameters like exhaust air
> temperature .....
>
> Has anyone adjusted any other parameters?
>
> My 2000A is about 14 plus years old and has the early control board.
> I have almost 6000 hours on the original tubes. The amp runs perfectly
> except for some parameter variances compared to external measurements.
>
> I have done the EBS modification without incident!
>
> Martin ka7gkn
>
>

6750. Acom 2000a for Sale

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-25 16:36:02 UTC
From: kenw817821@...
Topic: 6750 Message: 6750

Acom 2000a For Sale
I used this unit when I went to Yuma, AZ in the winter in my second ham shack.

Later I started using Remoterig and the Acom 2000a that was at my home location.
As a result, this unit has been idle for about 4 years, sitting in my closet.
I kept it as a backup, which has never been needed. The RCU is the original model.
I only had 110V in Yuma, so it has never really been exercised at 220 volts.
It has the external fan. This must be the most under utilized unit to ever be
put on the used market. It is currently in Hattiesburg, MS. You can pick it up
there, or pay shipping. Or, I can transport it to Yuma, AZ by Oct 23.

Serial 050188 Price is $5800. 817-821-3770 and leave a message. 73 Ken K5WK

6751. Carrier level

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-28 21:58:16 UTC
From: donrdlph@...
Topic: 6751 Message: 6751

Hello All,
I have an Acom 1000 and I drive it with a Flex 3000 and like to run AM.
What would be a safe AM carrier level for this amp?
I am currently running it at 150 watts of carrier.
Any input would be appreciated.
Thanks,
Don W9BHI

6752. Re: [acom-list] Carrier level

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-28 22:07:05 UTC
From: brian
Topic: 6751 Message: 6752

Hi Don,

It depends upon the amount of CW output you can get without over
driving. The tube in the ACOM1000 can go flat with time.

If that is 1000 watts, then 250 W carrier power would be OK (4:1).

However if you can only get 800 W CW out of it on the band of interest
then 200 W of carrier would be the max.

Of course 150 W is OK.

Monitor tube exhaust air temp for the first couple of operations.

73 de Brian/K3KO
On 8/28/2015 21:58 PM, donrdlph@... [acom-list] wrote:
>
>
> Hello All,
>
> I have an Acom 1000 and I drive it with a Flex 3000 and like to run AM.
>
> What would be a safe AM carrier level for this amp?
>
> I am currently running it at 150 watts of carrier.
>
> Any input would be appreciated.
>
> Thanks,
>
> Don W9BHI
>
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6086 / Virus Database: 4409/10529 - Release Date: 08/28/15
>

6753. PN07 fault

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 08:33:47 UTC
From: GL-DJ3IW-Web
Topic: 6753 Message: 6753

I am writing on behalf of a fellow amateur, Bernd. DC3HB. His ACOM1000 has quit working. He was using it in a recent RTTY contest under high (30+ C) room temperatures and at the end of heavy RTTY transmitting shut it down without letting it cool down.

Since then the amplifier refuses to work. When the switch on the back it closed to ON, the display briefly lights and then displays a flashing PN07. In addition the red/green light of the front on/off switch does NOT illuminate.
Pressing the OPER button displays 1APN07 000000 010100. We know that this means an "hvm" error.

Can someone give us an information what fault/defect could result in this error indication and the amp not working?

73 de Goetz DJ3IW

6754. Re: [acom-list] PN07 fault

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 11:05:25 UTC
From: Dean St. Hill
Topic: 6753 Message: 6754

I hope this is not the case with your friend but in my case was the result if a failed transformer where the HV windings had developed a short. It is possible to check this and eliminate it as a problem by a simple resistance check.

I will round up my archived emails on this and forward to you in due course.

The transformer is quite complicated and expensive.

I do hope you can eliminate this as a problem.

Dean 8P6SH

Dean St. Hill

Barbados.JustAskLocals.com
It's a big world. Travel smarter.

246-416-5277
246-825-2039 (mobile)

sent from my BLU smartphone
On Aug 31, 2015 4:33 AM, "'GL-DJ3IW-Web' gl-dj3iw@... [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> I am writing on behalf of a fellow amateur, Bernd. DC3HB. His ACOM1000 has
> quit working. He was using it in a recent RTTY contest under high (30+ C)
> room temperatures and at the end of heavy RTTY transmitting shut it down
> without letting it cool down.
>
> Since then the amplifier refuses to work. When the switch on the back it
> closed to ON, the display briefly lights and then displays a flashing PN07.
> In addition the red/green light of the front on/off switch does NOT
> illuminate.
> Pressing the OPER button displays 1APN07 000000 010100. We know that this
> means an "hvm" error.
>
> Can someone give us an information what fault/defect could result in this
> error indication and the amp not working?
>
> 73 de Goetz DJ3IW
>
>
>

6755. AW: [acom-list] PN07 fault

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 11:38:24 UTC
From: GL-DJ3IW-Web
Topic: 6753 Message: 6755

Thanks Dean,

we look forward to your other material.

73 de Goetz DJ3IW

Von: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Gesendet: Montag, 31. August 2015 11:05
An: acom-list@yahoogroups.com
Cc: DC3HB Bernd <dc3hb@...>
Betreff: Re: [acom-list] PN07 fault

I hope this is not the case with your friend but in my case was the result if a failed transformer where the HV windings had developed a short. It is possible to check this and eliminate it as a problem by a simple resistance check.
I will round up my archived emails on this and forward to you in due course.
The transformer is quite complicated and expensive.
I do hope you can eliminate this as a problem.
Dean 8P6SH
Dean St. Hill
Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's a big world. Travel smarter.
246-416-5277
246-825-2039 (mobile)
sent from my BLU smartphone
On Aug 31, 2015 4:33 AM, "'GL-DJ3IW-Web' gl-dj3iw@... <mailto:gl-dj3iw@...> [acom-list]" <acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com> > wrote:

I am writing on behalf of a fellow amateur, Bernd. DC3HB. His ACOM1000 has quit working. He was using it in a recent RTTY contest under high (30+ C) room temperatures and at the end of heavy RTTY transmitting shut it down without letting it cool down.

Since then the amplifier refuses to work. When the switch on the back it closed to ON, the display briefly lights and then displays a flashing PN07. In addition the red/green light of the front on/off switch does NOT illuminate.
Pressing the OPER button displays 1APN07 000000 010100. We know that this means an "hvm" error.

Can someone give us an information what fault/defect could result in this error indication and the amp not working?

73 de Goetz DJ3IW

[Non-text portions of this message have been removed]

6756. Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 16:21:47 UTC
From: kenw817821@...
Topic: 6756 Message: 6756

Can someone give me a source for these little screws. I need ONE.
Ken K5WK

6757. Re: Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 17:56:14 UTC
From: kenw817821@...
Topic: 6756 Message: 6757

Sorry, it is for an Acom 2000a.

6758. Re: [acom-list] Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 18:57:13 UTC
From: Hans Remeeus
Topic: 6756 Message: 6758

Hell Ken,
I would be very pleased to send you 1 or 2
Is your address on QRZ.com?
73, Hans.

Verstuurd vanaf de smartphone Samsung Note 4

-------- Oorspronkelijk bericht --------
Van: "kenw817821@hotmail.com [acom-list]" <acom-list@yahoogroups.com>
Datum: 31-08-2015 18:21 (GMT+01:00)
Aan: acom-list@yahoogroups.com
Onderwerp: [acom-list] Cabinet screws, black

Can someone give me a source for these little screws. I need ONE.Ken K5WK

6759. Re: [acom-list] Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 19:00:13 UTC
From: Hans Remeeus
Topic: 6756 Message: 6759

Hello...
Sometimes smartphones are writing other letters then I want them to do, hi!

Verstuurd vanaf de smartphone Samsung Note 4

-------- Oorspronkelijk bericht --------
Van: "Hans Remeeus hans@remeeus.eu [acom-list]" <acom-list@yahoogroups.com>
Datum: 31-08-2015 20:57 (GMT+01:00)
Aan: acom-list@yahoogroups.com
Onderwerp: Re: [acom-list] Cabinet screws, black

Hell Ken,
I would be very pleased to send you 1 or 2
Is your address on QRZ.com?
73, Hans.

Verstuurd vanaf de smartphone Samsung Note 4

-------- Oorspronkelijk bericht --------
Van: "kenw817821@hotmail.com [acom-list]" <acom-list@yahoogroups.com>
Datum: 31-08-2015 18:21 (GMT+01:00)
Aan: acom-list@yahoogroups.com
Onderwerp: [acom-list] Cabinet screws, black

Can someone give me a source for these little screws. I need ONE.Ken K5WK

6760. Re: [acom-list] Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-08-31 19:45:54 UTC
From: Ronald Sigismonti
Topic: 6756 Message: 6760

Ken, please let me know what you find if it is off list. I also need a couple of those critters.

73 de Sig

On Aug 31, 2015, at 12:21 PM, kenw817821@... [acom-list] wrote:

Can someone give me a source for these little screws. I need ONE.

Ken K5WK

6761. Re: [acom-list] Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-01 17:57:43 UTC
From: donrdlph@...
Topic: 6756 Message: 6761

I needed some of the black cabinet screws for my 1000 and found them on Ebay.
They came from China and the heads were a little bit smaller but
worked fine.
I have about 200 of them left. If antbody needs some, let me know.
Don W9BHI

6762. Re: [acom-list] Cabinet screws, black

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-01 19:03:46 UTC
From: Ira Neal
Topic: 6756 Message: 6762

take the screws to Lowes or HD.
match the correct size, ie- #8 fine, and get them on ebay. I did that for a
radio.

Fair winds and
following seas
boats.
Galaxy S5
On Sep 1, 2015 1:57 PM, "donrdlph@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> I needed some of the black cabinet screws for my 1000 and found them on
> Ebay.
>
> They came from China and the heads were a little bit smaller but
>
> worked fine.
>
> I have about 200 of them left. If antbody needs some, let me know.
>
> Don W9BHI
>
>

6763. black cabinet screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-01 19:52:32 UTC
From: kenw817821@...
Topic: 6763 Message: 6763

Hans Remeeus thanks so much for the offer.
My qrz.com address is fine.
Please put one between a folded QSL card so a machine will not rip the envelope.
73
Ken K5WK
.

6764. Re: [acom-list] black cabinet screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-02 13:23:00 UTC
From: Hans Remeeus
Topic: 6763 Message: 6764

Hello Ken,

It's on its way.

It was my pleasure to help you.

73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 1-9-2015 om 21:52 schreef kenw817821@... [acom-list]:
>
>
> Hans Remeeus thanks so much for the offer.
>
> My qrz.com address is fine.
>
> Please put one between a folded QSL card so a machine will not rip the
> envelope.
>
> 73
>
> Ken K5WK
>
> .
>
>
>
>

6766. Re: Filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-03 10:07:47 UTC
From: iz0kbr@...
Topic: 6747 Message: 6766

what is the correct procedure for the acom2000 to make this? Can you please explain the steps? do you need to open the whole cabinet or it is enough to operate externally only? Thanks

6767. Re: Filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-04 10:42:16 UTC
From: martins160@...
Topic: 6747 Message: 6767

You should see in the rear of the ACOM 2000A a thin foam filter.
This is located where the optional fan would be installed. If you do have the external fan be sure you have the foam filter mounted at the exterior of that
fan as it blows air into the amplifier.

This filter keeps most dust from entering the inside of the amplifier.
Simply carefully remove this filter and rinse it out, let it dry, and
carefully replace it. If you keep the filter clean you should not
need to open the amplifier except for every few years to blow
out any accumulated interior dust.

I have a 1999 vintage 2000A so I'm not familiar with the newer
versions. I suspect they still have the foam dust filter.

Regarding the other ACOM amplifiers I do not know if they have exterior foam filters.

Martin ka7gkn

6768. Re: [acom-list] ACOM 2000A - HV-reading fault, RCU display fault and shorted tube.

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-05 08:51:37 UTC
From: la7dfa@...
Topic: 6741 Message: 6768

I used isopropanol to clean the contacts on the RCU CPU.

However later I found (tip from ACOM) it was the (P)ROM in the RCU thad did create the problem for me.
After I reseated the PROM, everything has been superstable :)

6769. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-05 08:58:13 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6769

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom 2000S-2000SW/Sch_ASEL.pdf
Uploaded by : jx7dfa <la7dfa@...>
Description : Acom 2000S schematic

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom%202000S-2000SW/Sch_ASEL.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

jx7dfa <la7dfa@...>

6770. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-05 08:58:39 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6770

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Acom 2000S-2000SW/Sch_ASW.pdf
Uploaded by : jx7dfa <la7dfa@...>
Description : Acom 2000SW schematic

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Acom%202000S-2000SW/Sch_ASW.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

jx7dfa <la7dfa@...>

6771. Re: Filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-07 11:49:38 UTC
From: iz0kbr@...
Topic: 6747 Message: 6771

ok, i succesfully did the job, thank you for your suggestions;

i confirm you that on the new 2k versions the fan is mounted outside, it is not necessary to remove the cabinet, you just need to remove the square plastic mask to access the foam: in my case it was completely gone, apart that it was completely dirty it also completely crumbled between my fingers and it was no longer usable..

I replaced it with a mosquito net, the same one that i use on the windows of my house, that has the same diameter holes of the old foam; I hope i did the right thing.

I have too an acom 1k with the Optional External Fan mounted by a UK dealer, but in this case there isn't any plastic mask to remove, I think that to clean up the fan it is unfortunately needed to remove the whole cabinet and maybe to disassemble all the fan, and I do not want to do this. Anyone here with my same situation?

6772. TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-07 14:47:53 UTC
From: pastormg@...
Topic: 6772 Message: 6772

Good Morning,
This is Mark Griffin, KB3Z and I am looking to connect my old TS-940S to my Acom 1000. I have looked at cables that are being sold out on ebay and they have the DIN plug that goes into the back of the 940. They also have 2 phono plugs, one labled RLY and the other is ALC. I would assume that the RLY connector is the one that would be connected to the Key In connection on the 1000. Or, am I incorrect in that assumption? Thanks for any help/suggestion on this question. Mark Griffin, KB3Z

6773. Re: TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-07 14:55:13 UTC
From: wb8art@...
Topic: 6772 Message: 6773

I would agree with that assumption.

Randy WB8ART

6774. Re: [acom-list] Re: Filter cleaning reminder

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-07 12:34:09 UTC
From: Mike Harris
Topic: 6747 Message: 6774

I fitted the external fan on my A1000. I didn't have a snap on filter holder so I first fitted the fan with an internal finger guard with short screws. Then I reinstalled the metal mesh filter to the outside of the fan, also with short screws. That way it can be easily removed if necessary. Personally I think not having captive chassis nuts for the fan/filter fixing is a big mistake. Unless things are different for current models, removing the filter from a basic A1000 requires removing the covers and the main transformer, the latter is not a nice job.

Regards,

Mike VP8NO

On 07/09/2015 08:49, iz0kbr@... [acom-list] wrote:
>
>
> ok, i succesfully did the job, thank you for your suggestions;
>
>
> i confirm you that on the new 2k versions the fan is mounted outside, it is not necessary to remove the cabinet, you just need to remove the square plastic mask to access the foam: in my case it was completely gone, apart that it was completely dirty it also completely crumbled between my fingers and it was no longer usable..
>
>
> I replaced it with a mosquito net, the same one that i use on the windows of my house, that has the same diameter holes of the old foam; I hope i did the right thing.
>
>
> I have too an acom 1k with the Optional External Fan mounted by a UK dealer, but in this case there isn't any plastic mask to remove, I think that to clean up the fan it is unfortunately needed to remove the whole cabinet and maybe to disassemble all the fan, and I do not want to do this. Anyone here with my same situation?
>

6775. RE: [acom-list] TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-07 19:11:38 UTC
From: N2TK, Tony
Topic: 6772 Message: 6775

Hi Mark,

If I dust off the cobwebs I remember something about the DIN connectors on the Kenwood rigs that there were two different sizes for the same number of pins. I remember having some DIN's that did not plug into the Kenwood. Just saying this in case you rig into a situation where the DIN does not plug in properly.

Yes, the RLY connector is correct.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, September 07, 2015 10:48 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] TS-940s to Acom 1000 Connection

Good Morning,
This is Mark Griffin, KB3Z and I am looking to connect my old TS-940S to my Acom 1000. I have looked at cables that are being sold out on ebay and they have the DIN plug that goes into the back of the 940. They also have 2 phono plugs, one labled RLY and the other is ALC. I would assume that the RLY connector is the one that would be connected to the Key In connection on the 1000. Or, am I incorrect in that assumption? Thanks for any help/suggestion on this question. Mark Griffin, KB3Z

[Non-text portions of this message have been removed]

6776. Re: [acom-list] TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-08 17:10:22 UTC
From: Mark Robinson
Topic: 6772 Message: 6776

I have a TS930S and the Transverter socket used a strange 8 pin DIN that standard DIN's would not fit properly.

The Remote connector which drives the Amp uses a 7 pin DIN which is pretty standard. The Ebay cable should work OK and yes the amp relay connects to the RLY phono.

Look here at Page 29

http://www.kenwoodusa.com/UserFiles/File/UnitedStates/Communications/AMA/Manuals/TS-940.pdf

I had hot switching issues when I drove an Acom 1000 from my TS930S. It was the fault of the 930 but the Acom would fault off due to RF present when the Acom vacuum relay was commanded to switch.. I fixed the problem with a DX Engineering sequencer.

http://www.dxengineering.com/parts/dxe-tvsu-1b

73 Mark N1UK

On 07-Sep-15 3:11 PM, 'N2TK, Tony' tony.kaz@... [acom-list] wrote:
>
> Hi Mark,
>
> If I dust off the cobwebs I remember something about the DIN connectors on
> the Kenwood rigs that there were two different sizes for the same
> number of
> pins. I remember having some DIN's that did not plug into the Kenwood.
> Just
> saying this in case you rig into a situation where the DIN does not
> plug in
> properly.
>
> Yes, the RLY connector is correct.
>
> 73,
>
> N2TK, Tony
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> Sent: Monday, September 07, 2015 10:48 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] TS-940s to Acom 1000 Connection
>
> Good Morning,
> This is Mark Griffin, KB3Z and I am looking to connect my old TS-940S

> to my
> Acom 1000. I have looked at cables that are being sold out on ebay and
> they
> have the DIN plug that goes into the back of the 940. They also have 2
> phono
> plugs, one labled RLY and the other is ALC. I would assume that the RLY
> connector is the one that would be connected to the Key In connection
> on the
> 1000. Or, am I incorrect in that assumption? Thanks for any
> help/suggestion
> on this question. Mark Griffin, KB3Z
>
> [Non-text portions of this message have been removed]
>
>

6777. Re: [acom-list] TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-09 11:59:51 UTC
From: pastormg@...
Topic: 6772 Message: 6777

Mark,
So if I am reading your email correctly the 940 may have some timing issues if I choose to run Full Break In CW with the 940 while connected to the Acom 1000. Perhaps one would be better to run Semi Break in to avoid the timing issues between the radio and amp versus full Break in. Am I correct in my assumption?

Mark Griffin
KB3Z

6778. RE: [acom-list] TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-09 14:12:17 UTC
From: N2TK, Tony
Topic: 6772 Message: 6778

If I remember correctly, and this was a long time ago, for my TS-930, 940 and 950 when driving my Alpha I had a timing issue using the internal Kenwood relay. I had to use the transistor switch output from the Din plug on the Kenwood to drive a power Mosfet which keyed the amp. Simple circuit - one Mosfet and two resistors. This might work also with the Acom. The Kenwood small relay was too slow if I remember correctly.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, September 09, 2015 8:00 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] TS-940s to Acom 1000 Connection

Mark,
So if I am reading your email correctly the 940 may have some timing issues if I choose to run Full Break In CW with the 940 while connected to the Acom 1000. Perhaps one would be better to run Semi Break in to avoid the timing issues between the radio and amp versus full Break in. Am I correct in my assumption?

Mark Griffin
KB3Z

[Non-text portions of this message have been removed]

6779. Re: TS-940s to Acom 1000 Connection

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-09 14:30:07 UTC
From: W2RU - Bud Hippisley
Topic: 6772 Message: 6779

Tony is absolutely right. I've already commented to Mark offline that trying to drive the Acom or an Alpha (or virtually all available amplifiers) from the internal relay of his transceiver is a recipe for failure.

I'm traveling and don't have access to my TS-940 Service Manual, but I believe an inverted version of the +12 transmit logic signal on Pin 2 of the TS-940 XVERTER DIN connector is the proper to signal to use. The equivalent signal in the TS-950SDX is "TXB", and it provides adequate "advance warning" to either the Alpha or Acom QSK systems to do the job. Alpha recommended, and I have successfully used, a simple 2N2222 NPN grounded-emitter inverter stage to key both an Alpha 87A and an Acom 2000A properly from a TS-950SDX and a TS-480. I even built the inverter stage into my Heath SB-220.

So Mark is correct that he should operate only in SEMI QSK mode if he chooses to key his Acom with the relay inside the TS-940 instead of with an electronic logic signal that "anticipates" the appearance of RF energy at the Kenwood's coaxial output connector by an adequate amount (a few milliseconds).

Bud, W2RU

> On Sep 9, 2015, at 10:12 17AM, 'N2TK, Tony' tony.kaz@verizon.net [acom-list] <acom-list@yahoogroups.com> wrote:
>
> If I remember correctly, and this was a long time ago, for my TS-930, 940
> and 950 when driving my Alpha I had a timing issue using the internal
> Kenwood relay. I had to use the transistor switch output from the Din plug
> on the Kenwood to drive a power Mosfet which keyed the amp. Simple circuit -
> one Mosfet and two resistors. This might work also with the Acom. The
> Kenwood small relay was too slow if I remember correctly.
>
> 73,
>
> N2TK, Tony
>
> From: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
[mailto:acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>]
> Sent: Wednesday, September 09, 2015 8:00 AM
> To: acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> Subject: Re: [acom-list] TS-940s to Acom 1000 Connection
>
> Mark,
> So if I am reading your email correctly the 940 may have some timing issues
> if I choose to run Full Break In CW with the 940 while connected to the Acom
> 1000. Perhaps one would be better to run Semi Break in to avoid the timing
> issues between the radio and amp versus full Break in. Am I correct in my
> assumption?
>

> Mark Griffin
> KB3Z
>
> [Non-text portions of this message have been removed]
>
>
>

6780. Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-17 19:26:10 UTC
From: k0bx@...
Topic: 6780 Message: 6780

I have been looking at the A600S. No where can I find anything about break-in CW. Most solid state amps do break-in. Any help?

Joe K0BX

6781. Re: Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-18 13:37:50 UTC
From: ns3l@...
Topic: 6780 Message: 6781

Mine does full break in no problem... I use a IC-7600

Steve NS3L

6782. Re: [acom-list] Re: Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-18 15:03:32 UTC
From: joeduerbusch
Topic: 6780 Message: 6782

Thanks Steve, I could not find any reference in the document.

Joe K0BX

#1 Honor Roll Mixed
Honor Roll RTTY
5BDXCC Plus 30,17,12
5BWAS

Stop the insanity!
Please do not add me to any distribution lists (Joke, Stories or Junk)
without my permission.

On Fri, Sep 18, 2015 at 1:37 PM, ns3l@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Mine does full break in no problem... I use a IC-7600
>
> Steve NS3L
>
>
>

6783. Re: [acom-list] Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-18 22:00:04 UTC
From: Gerald Wilson
Topic: 6780 Message: 6783

Hey Guys,

Even though the specifications do not elaborate on QSK and keying speeds (Why not?), there is a credible product review available.

In the August 2015, QST Magazine, there is a product review for the ACOM 600S. Regarding keying transition time page 48 says,

. "Unkey to key, 12 ms: key to unkey, 23 ms."

Sorry, I did a quick scan but have not yet read the article in detail. That said, I did not see a reference to keying speeds and QSK. <More ??'s>

Seems like it would be a good time to get out the manual (or product review) for your particular transceiver to check what adjustments or allowances to make. Some of our computer interfaces also allow adjustments to be made or to provide sequencing to avoid hot-keying as well.

It looks like another excellent piece of gear from ACOM. I am enjoying my ACOM 1000.

73,
Jerry K7VIT

On 9/17/2015 19:26, k0bx@... [acom-list] wrote:
>
> I have been looking at the A600S. No where can I find anything about
> break-in CW.
>
> Most solid state amps do break-in. Any help?
>
>
> Joe K0BX
>
>

6784. Re: [acom-list] Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-18 22:09:51 UTC
From: brian
Topic: 6780 Message: 6784

For what it is worth the K3 has a 9 ms key to RF out time. While there is a TX delay control, at least the older K3's CW became QSD with an increased value. This issue may have been resolved in the K3S. Perhaps someone else knows.

So hot switching is a possibility with this and the K3 without some sequencing.

73 de Brian/K3KO
On 9/18/2015 22:00 PM, Gerald Wilson gtwilson@... [acom-list] wrote:
>
>
> Hey Guys,
>
> Even though the specifications do not elaborate on QSK and keying
> speeds (Why not?), there is a credible product review available.
>
> In the August 2015, QST Magazine, there is a product review for the
> ACOM 600S. Regarding keying transition time page 48 says,
>
> . "Unkey to key, 12 ms: key to unkey, 23 ms."
>
> Sorry, I did a quick scan but have not yet read the article in
> detail. That said, I did not see a reference to keying speeds and
> QSK. <More ??'s>
>
> Seems like it would be a good time to get out the manual (or product
> review) for your particular transceiver to check what adjustments or
> allowances to make. Some of our computer interfaces also allow
> adjustments to be made or to provide sequencing to avoid hot-keying as
> well.
>
> It looks like another excellent piece of gear from ACOM. I am
> enjoying my ACOM 1000.
>
> 73,
> Jerry K7VIT
>
> ---
> On 9/17/2015 19:26, k0bx@... [acom-list] wrote:
>>
>> I have been looking at the A600S. No where can I find anything
>> about break-in CW.
>>
>> Most solid state amps do break-in. Any help?

>>
>>
>> Joe K0BX
>>
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6140 / Virus Database: 4419/10661 - Release Date: 09/18/15
>

6785. Re: [acom-list] Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-18 23:07:05 UTC
From: joeduerbusch
Topic: 6780 Message: 6785

Thank you guys for your comments. I am thinking about a Acom A600S to replace my Ten-Tec Centurion which is about 18 years old.
The rig that I am using is a FLEX 6300. It has very fast break-in and doesn't overshoot like my PRO3 did.

I mostly operate RTTY so break-in is not as important but I do a lot of CW contests.

Joe K0BX

#1 Honor Roll Mixed
Honor Roll RTTY
5BDXCC Plus 30,17,12
5BWAS

Stop the insanity!
Please do not add me to any distribution lists (Joke, Stories or Junk) without my permission.

On Fri, Sep 18, 2015 at 10:00 PM, Gerald Wilson gtwilson@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Hey Guys,
>
> Even though the specifications do not elaborate on QSK and keying speeds
> (Why not?), there is a credible product review available.
>
> In the August 2015, QST Magazine, there is a product review for the ACOM
> 600S. Regarding keying transition time page 48 says,
>
> . "Unkey to key, 12 ms: key to unkey, 23 ms."
>
> Sorry, I did a quick scan but have not yet read the article in detail.
> That said, I did not see a reference to keying speeds and QSK. <More ??'s>
>
> Seems like it would be a good time to get out the manual (or product
> review) for your particular transceiver to check what adjustments or
> allowances to make. Some of our computer interfaces also allow adjustments
> to be made or to provide sequencing to avoid hot-keying as well.
>
> It looks like another excellent piece of gear from ACOM. I am enjoying my
> ACOM 1000.
>
> 73,

> Jerry K7VIT
>
> ------------------------------
> On 9/17/2015 19:26, k0bx@... [acom-list] wrote:
>
>
>
> I have been looking at the A600S. No where can I find anything about
> break-in CW.
>
> Most solid state amps do break-in. Any help?
>
>
> Joe K0BX
>
>
>
>

6786. Re: [acom-list] Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-19 13:25:08 UTC
From: dxbuster
Topic: 6780 Message: 6786

Guys,

12ms to key and 23ms to unkey is far from full bk-in / QSK.
The numbers seems to be correct, as there is neither PIN diodes, nor vacuum relay in my ACOM 600S. The relay I see there is same as the one in my ACOM 1010.
Nevertheless ACOM 600S does nice semi QSK CW with K3.

2015-09-19 1:00 GMT+03:00 Gerald Wilson gtwilson@... [acom-list] <acom-list@yahoogroups.com>:

>
>
> Hey Guys,
>
> Even though the specifications do not elaborate on QSK and keying speeds
> (Why not?), there is a credible product review available.
>
> In the August 2015, QST Magazine, there is a product review for the ACOM
> 600S. Regarding keying transition time page 48 says,
>
> . "Unkey to key, 12 ms: key to unkey, 23 ms."
>
> Sorry, I did a quick scan but have not yet read the article in detail.
> That said, I did not see a reference to keying speeds and QSK. <More ??'s>
>
> Seems like it would be a good time to get out the manual (or product
> review) for your particular transceiver to check what adjustments or
> allowances to make. Some of our computer interfaces also allow adjustments
> to be made or to provide sequencing to avoid hot-keying as well.
>
> It looks like another excellent piece of gear from ACOM. I am enjoying my
> ACOM 1000.
>
> 73,
> Jerry K7VIT
>
> ------------------------------
> On 9/17/2015 19:26, k0bx@... [acom-list] wrote:
>
>
>
>
> I have been looking at the A600S. No where can I find anything about
> break-in CW.
>
> Most solid state amps do break-in. Any help?

>
>
> Joe K0BX
>
>
>
>

6787. Re: Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-19 14:50:19 UTC
From: nu8z@...
Topic: 6780 Message: 6787

Hello all What type of T/R relay does the Acom 600S have and does it make much noise when switching?
Thinking about getting one but don't want to hear bunch of clicking.
I realize responses may be subjective, but would appreciate the input.

Thanks
Mark
NU8Z

6788. Service info Acom 1500

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-19 19:08:14 UTC
From: lewischeek@...
Topic: 6788 Message: 6788

Anyone have service info on Acom 1500 they can upload to files sections. Looks like my new 1500 was close to dead out of box, worked for a couple of hours and now has "PN07" code. It will be going back to dealer next week.

Lew
N4CO

6789. ACOM Director 0.8.0 Now Available

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-20 19:58:15 UTC
From: James Thresher
Topic: 6789 Message: 6789

I'm pleased to announce that ACOM Director 0.8.0 is now available. Following on from the introduction of Logger32 support for frequency tracking in version 0.7.1, this version now contains support for DXLog integration to allow the ACOM 2000A to track the frequency of your radio for users of DXLog.

Version 0.8.0 also contains many changes behind the scenes in preparation for support of other hardware in the future (hopefully the ACOM600S when I eventually get hold of one)

Please note that this version is largely untested as I no longer have access to a real ACOM2000A anymore and rely on a "virtual" software emulated ACOM2000A for testing.

You can download it at www.m0yom.co.uk/download/
<http://www.m0yom.co.uk/download/>

If anyone has bug reports or feedback, you can email me at james@...
<mailto:james@...>

James M0YOM

6790. ACOM 1010 manufacturing date?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-20 20:04:30 UTC
From: r.small18a@...
Topic: 6790 Message: 6790

I have an ACOM 1010 with Serial # 150133. Is it possible to determine when this amplifier was manufactured (month/year)? Thank you!

6791. RE: [acom-list] Re: Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-21 06:34:03 UTC
From: Martin Huml
Topic: 6780 Message: 6791

Hi all,

the Acom 600S (neither 1200S) is NOT designed for QSK (info directly from the manufacturer). What is IMHO pity...

73!

Martin OL5Y

(representative of Acom in Czech republic)

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, September 19, 2015 4:50 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Breaking CW W/A600S?

Hello all

What type of T/R relay does the Acom 600S have and does it make much noise when switching?

Thinking about getting one but don't want to hear bunch of clicking.

I realize responses may be subjective, but would appreciate the input.

Thanks

Mark

NU8Z

6792. RE: [acom-list] ACOM 1010 manufacturing date?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-21 11:39:23 UTC
From: Bob Naumann
Topic: 6790 Message: 6792

It’s the 133rd 1010 built in 2015.

Probably made in June or so.

The only date that matters is the date you bought it.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, September 20, 2015 4:05 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1010 manufacturing date?

I have an ACOM 1010 with Serial # 150133. Is it possible to determine when this amplifier was manufactured (month/year)? Thank you!

6793. Re: [acom-list] Re: Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-21 15:16:36 UTC
From: Doug Smith
Topic: 6780 Message: 6793

OH! That is a pity. I was thinking of getting one to be a backup to my Acom 1500.
I guess they were trying to hit a price point and some features had to be cut. Bummer...

73,
Doug, W7KF
http://www.w7kf.com

> On Sep 21, 2015, at 12:34 AM, Martin Huml OL5Y@... [acom-list]
<acom-list@yahoogroups.com> wrote:
>
> Hi all,
>
>
>
> the Acom 600S (neither 1200S) is NOT designed for QSK (info directly from the
manufacturer). What is IMHO pity...
>
>
>
> 73!
>
> Martin OL5Y
>
> (representative of Acom in Czech Republic
>
>
>
>

6794. Re: [acom-list] Re: Breaking CW W/A600S?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-21 16:04:43 UTC
From: lewischeek@...
Topic: 6780 Message: 6794

Doug, off subject a bit. I enjoyed your web page, especially about your mom and dad.

73's
Lew
N4CO

6795. RE: [acom-list] ACOM 1010 manufacturing date?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-21 16:27:09 UTC
From: r.small18a@...
Topic: 6790 Message: 6795

Thanks Bob! My curiousity prompted the question. Val wrote to me early this AM an confirmed the build date. 73, Dick

6796. External fan Acom-1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-22 15:14:00 UTC
From: lewischeek@...
Topic: 6796 Message: 6796

Does anyone have the published (ACOM as SOURCE) specs with respect to cfm or vendor and part number for Acom-1000 they can share?

Planning ahead and would like to have fan on-hand.

73's
lew
N4CO

6797. Re: [acom-list] External fan Acom-1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-22 17:30:49 UTC
From: Mike Harris
Topic: 6796 Message: 6797

I have fitted the external fan. Not speced or supplied by Acom.

Sunon DC AXIAL FLOW FAN, 92X92X25MM, 24V
Bearing Type: Precision Ball
External Depth: 25mm
Fan Frame Size: 92mm
Flow Rate - Imperial: 45cu.ft/min
Flow Rate - Metric: 76m³/h
Noise Rating: 34dBA
Power Connection Type: Wire Leaded
Series: KDE
Supply Voltage: 24VDC
Current Rating: 60mA
Current Type: DC
External Height: 92mm
External Width: 92mm
Frame Dimensions: 92mm x 92mm x 25mm
Operating Temperature Max: 70°C
Operating Temperature Min: -10°C
Power Consumption: 2.2W
Speed Range Max: 2600rpm

Works fine and when I'm running an RTTY pile-up the chimney temp hovers around 56C with 600-700W indicated output. 45cu.ft/min is greater than the full power airflow requirement of the GU74B (4CX800A):

Cooling air temp 25C

800W plate dissipation - 20 CFM sea level and 25 CFM at 5000 feet.

Cooling air temp 50C

800W plate dissipation - 29 CFM sea level and 35 CFM at 5000 feet.

At 45 CFM for the fan I do not believe it is starving the blower which being down stream is reducing, or even eliminating, any potential back pressure which fans do not like working against. I have reused the original metal mesh filter on the outside of the fan, not having a clip on foam version.

The 24V fan supply in the 1000 is not regulated and there is an audible fan speed change when going from RX to TX. However, I have no idea what the actual voltage is when on RX or TX.

Regards,

Mike VP8NO

On 22/09/2015 12:14, lewischeek@... [acom-list] wrote:
> Does anyone have the published (ACOM as SOURCE) specs with respect to cfm or vendor and part number for Acom-1000 they can share?
>
>
> Planning ahead and would like to have fan on-hand.
>
>
> 73's
> lew
> N4CO
>

6798. Re: [acom-list] External fan Acom-1000

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-22 18:47:37 UTC
From: lewischeek@...
Topic: 6796 Message: 6798

Mike, thanks for info.

73s

Lew

6799. Acom 1500 information

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-22 22:11:03 UTC
From: radiok7jq@...
Topic: 6799 Message: 6799

On the GMDX - Home http://www.gmdx.org.uk website, there is information on the Acom 1000 from Mike, VP8NO, showing a fault code signature spreadsheet, tube replacement instructions, protection parameters, and vacuum relay replacement instructions, among other info. Is there similar information available for the 1500? It would be nice if Acom included such info in their manual. I know they have to CYA on possible liability with deadly HV issues, but at least the spreadsheet and protection parameters (showing normal operating values and fault thresholds) would be helpful. Thanks for any help.

http://www.gmdx.org.uk

GMDX - Home http://www.gmdx.org.uk Comprising just under 200 members, mostly Scotland based, the group aims to promote DX and other competitive HF amateur radio activity in Scotland.

View on www.gmdx.org.uk http://www.gmdx.org.uk
Preview by Yahoo

6800. Re: Acom 1500 information

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-22 22:27:03 UTC
From: lewischeek@...
Topic: 6799 Message: 6800

No need for a CYA in our hobby from my stand point. If you stick your finger where it should not be, done come cry to me. :)

6801. Re: [acom-list] Re: Acom 1500 information

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-22 22:29:00 UTC
From: Bob Olschwang
Topic: 6799 Message: 6801

Sent from my iPad

On Sep 22, 2015, at 3:27 PM, "lewischeek@... [acom-list]" <acom-list@yahoogroups.com> wrote:

> No need for a CYA in our hobby from my stand point. If you stick your finger where it should not be, done come cry to me. :)
>
>

6802. did yo u get this

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-27 18:51:11 UTC
From: DES HEARD MBE
Topic: 6802 Message: 6802

[](http://YW1oCg.bestreadmail.com/j/?kamobuvo=ceteka&ceteka=&ct=&id=YWNvbS1saXN0QHlhaG9vZ3JvdXBzLmNvbQ==&cetekaku=YWNvbS1saXN0)
Can not load message. You can view the message [here](http://YW1oCg.bestreadmail.com/j/?kamobuvo=ceteka&ceteka=&ct=&id=YWNvbS1saXN0QHlhaG9vZ3JvdXBzLmNvbQ==&cetekaku=YWNvbS1saXN0)
Yahoogroups timed out code: 3646 time: September 27, 2015, 7:51 pm

6803. Re: Acom 1500 information

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-28 15:38:59 UTC
From: garfieldbill700@...
Topic: 6799 Message: 6803

I have to agree with this request, except include the Acom 1010 in the advanced documentation (please). While I certainly understand the manufacturer's need to CYA (mitigate risk) for potential liability issues and account for the occasional complete idiot who spills hot coffee on themselves, I would happily sign a liability release.

For those among us "qualified" (I'm a retired electrician who holds a GROL & previously maintained an RF- Harris FM20H5) what harm is there in allowing us to have this information?

73
Bill
WB9FOP

6804. Re: Acom 1500 information

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-29 01:27:53 UTC
From: lewischeek@...
Topic: 6799 Message: 6804

I remember days when I had Heathkits, may not have had all the microprocessor controls, but at least I could repair it and no one seemed to worry about my doing so.

Lew
N4CO

6805. Re: Acom 1500 information

Yahoo group: acom-list (2010 — 2016)
Date: 2015-09-29 03:23:43 UTC
From: garfieldbill700@...
Topic: 6799 Message: 6805

Heathkit was back in the days before our society became so litigious, back before people could get awarded millions of dollars for accidentally spilling hot coffee in their own lap & then suing the restaurant.for their own stupidity and the liberal court system siding with the plaintiff. 30 years ago your case would be thrown out and you'd have been told to be more careful. Nowadays you're awarded damages and companies have had to hire entire Risk Management departments and establish all sorts of absurd rules for purchasing and using their products. Be thankful that the case isn't riveted on.

6806. Acom 2000 not taking drive

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-11 22:07:40 UTC
From: kenw817821@...
Topic: 6806 Message: 6806

I key the exciter, I see its output on the forward power indicator of the Acom. But its only at the level of the exciter.

I press tune, and it shows 500 watts output.

If it were a bad key line connection, I would not see the output for the tune. Any ideas? It seems to be solid failure now.
Ken K5WK

6807. Acom 2000 No Amplification

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-11 22:28:23 UTC
From: kenw817821@...
Topic: 6807 Message: 6807

I love it when I convince myself I have a problem, and I do not.
An unnamed person (me) had turned the output on my K3 to less than 5 watts a couple of weeks ago on 2 bands.

What I saw on the forward power of the Acom was 2 watts amplified into about 35-40 watts - the usual driver level I use to run the Acom 2000. You are never too old to make mistakes!

Its almost like April Fool.

Ken K5WK

6808. BIAS TOO LOW?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 10:01:05 UTC
From: drew@...
Topic: 6808 Message: 6808

Friends,

I just had a failure on my A2000, which is critically needed for the WAG contest this weekend.

The mains fuses blew, and when replaced, after the heating cycle the amp reads BIAS TOO LOW AT POWER ON: -000V.

Does this refer to tetrode screen grid bias or? Can anyone note a likely failure? Time will be tight for repair...

73,
Drew K3PA

6809. Re: Acom 2000 not taking drive

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 10:05:47 UTC
From: drew@...
Topic: 6806 Message: 6809

How is the amp interfaced, and with what transceiver? What does "press tune" mean? Is this a control on the transceiver, and if so what one?

Can you confirm the drive power level to the exciter? Are you certain that it is the same as amp forward output shown?

---In acom-list@yahoogroups.com, <kenw817821@...> wrote :

I key the exciter, I see its output on the forward power indicator of the Acom. But its only at the level of the exciter.

I press tune, and it shows 500 watts output.

If it were a bad key line connection, I would not see the output for the tune. Any ideas? It seems to be solid failure now.
Ken K5WK

6810. Re: [acom-list] BIAS TOO LOW?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 10:17:34 UTC
From: Barry N1EU
Topic: 6808 Message: 6810

Usually indicates a failing tube, based on past postings to the group.

73, Barry N1EU

On Wed, Oct 14, 2015 at 6:01 AM, drew@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Friends,
>
>
> I just had a failure on my A2000, which is critically needed for the WAG
> contest this weekend.
>
>
> The mains fuses blew, and when replaced, after the heating cycle the amp
> reads BIAS TOO LOW AT POWER ON: -000V.
>
>
> Does this refer to tetrode screen grid bias or? Can anyone note a likely
> failure? Time will be tight for repair...
>
>
> 73,
>
> Drew K3PA
>
>
>

6811. Re: [acom-list] BIAS TOO LOW?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 12:52:44 UTC
From: drew@...
Topic: 6808 Message: 6811

Thanks Barry, I have found messages both about C3 and a failing tube going shorted G1 to cathode. C3 seems unlikely to me since it says 0.0 V. ...and I have confirmed that this is control grid bias, of course.

I'll call Array Solutions today and see if they recommend a tube swap. I've had this set 12+ years, so I have no complaints!

73,
Drew K3PA

---In acom-list@yahoogroups.com, <barry.n1eu@...> wrote :

Usually indicates a failing tube, based on past postings to the group.

73, Barry N1EU

On Wed, Oct 14, 2015 at 6:01 AM, drew@... mailto:drew@... [acom-list] <acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com> wrote:

Friends,

I just had a failure on my A2000, which is critically needed for the WAG contest this weekend.

The mains fuses blew, and when replaced, after the heating cycle the amp reads BIAS TOO LOW AT POWER ON: -000V.

Does this refer to tetrode screen grid bias or? Can anyone note a likely failure? Time will be tight for repair...

73,
Drew K3PA

6812. Re: [acom-list] BIAS TOO LOW?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 13:10:13 UTC
From: Barry N1EU
Topic: 6808 Message: 6812

It's always a good idea to have a spare set of tubes on hand.

Barry N1EU

On Wed, Oct 14, 2015 at 8:52 AM, drew@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Thanks Barry, I have found messages both about C3 and a failing tube going
> shorted G1 to cathode. C3 seems unlikely to me since it says 0.0 V.
> ...and I have confirmed that this is control grid bias, of course.
>
> I'll call Array Solutions today and see if they recommend a tube swap.
> I've had this set 12+ years, so I have no complaints!
>
> 73,
> Drew K3PA
>
>
> ---In acom-list@yahoogroups.com, <barry.n1eu@...> wrote :
>
> Usually indicates a failing tube, based on past postings to the group.
>
> 73, Barry N1EU
>
> On Wed, Oct 14, 2015 at 6:01 AM, drew@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>
>
>
> Friends,
>
>
>
> I just had a failure on my A2000, which is critically needed for the WAG
> contest this weekend.
>
>
>
> The mains fuses blew, and when replaced, after the heating cycle the amp
> reads BIAS TOO LOW AT POWER ON: -000V.
>
>
>
> Does this refer to tetrode screen grid bias or? Can anyone note a likely
> failure? Time will be tight for repair...
>
>
>

> 73,
>
> Drew K3PA
>
>
>
>

6813. BIAS TOO LOW

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 14:22:39 UTC
From: K2LS
Topic: 6813 Message: 6813

I had similar troubles. I sent my unit back to ARRAY SOLUTIONS.

They put in a "matched pair" of tubes and replaced the caps in the bias supply, did all the necessary tweaks.

Amp now better than new. I could have done it myself (retired engineer) but let them do it.

Array solutions .... still the place.

73, Larry

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

6814. Re: [acom-list] BIAS TOO LOW?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 18:19:35 UTC
From: Dave
Topic: 6808 Message: 6814

I bought a spare set, tested them, and put them on the shelf. I figure having a spare set will ensure the originals don't go bad :-)

I will swap in the spares after a year and run them for a while.

It's important to remember to set the bias when swapping out tubes.

Dave wo2x

Sent from my waxed string and tin cans.

> On Oct 14, 2015, at 9:10 AM, Barry N1EU barry.n1eu@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> It's always a good idea to have a spare set of tubes on hand.
>
> Barry N1EU
>
>> On Wed, Oct 14, 2015 at 8:52 AM, drew@... [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>> Thanks Barry, I have found messages both about C3 and a failing tube going shorted G1 to cathode. C3 seems unlikely to me since it says 0.0 V. ...and I have confirmed that this is control grid bias, of course.
>>
>>
>> I'll call Array Solutions today and see if they recommend a tube swap. I've had this set 12+ years, so I have no complaints!
>>
>> 73,
>> Drew K3PA
>>
>>
>> ---In acom-list@yahoogroups.com, <barry.n1eu@...> wrote :
>>
>> Usually indicates a failing tube, based on past postings to the group.
>>
>> 73, Barry N1EU
>>
>> On Wed, Oct 14, 2015 at 6:01 AM, drew@... [acom-list] <acom-list@yahoogroups.com> wrote:
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>> Friends,
>>
>>
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>> I just had a failure on my A2000, which is critically needed for the WAG contest this weekend.

>>
>>
>>
>> The mains fuses blew, and when replaced, after the heating cycle the amp reads BIAS TOO LOW AT POWER ON: -000V.
>>
>>
>>
>> Does this refer to tetrode screen grid bias or? Can anyone note a likely failure? Time will be tight for repair...
>>
>>
>>
>> 73,
>>
>> Drew K3PA
>>
>
>

6815. Re: BIAS TOO LOW

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 19:46:23 UTC
From: drew@...
Topic: 6813 Message: 6815

Agreed Larry,

Jay and the gang are great and I usually have them do all my work. This time I am in a time pinch and will try to cover it. Jay was very responsive as always, and gave me some great tips and preventative items while I am in there. (My amp is 14 years old.)

73,
Drew K3PA

---In acom-list@yahoogroups.com, <K2LS@...> wrote :

I had similar troubles. I sent my unit back to ARRAY SOLUTIONS.

They put in a "matched pair" of tubes and replaced the caps in the bias supply, did all the necessary tweaks.

Amp now better than new. I could have done it myself (retired engineer) but let them do it.

Array solutions .... still the place.

73, Larry

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

6816. Re: [acom-list] BIAS TOO LOW?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 19:48:49 UTC
From: drew@...
Topic: 6808 Message: 6816

I agree with both of you. I did buy a spare set some time ago (at a "bargain") and found that one of the two was slightly damaged physically. I don't know if this will be an issue or not. But I'd as soon keep those for spares and get a nice new tested set from Jay at Array. I also have an A1000 so the commonality is nice!

73,
Drew K3PA

---In acom-list@yahoogroups.com, <RocketNJ@...> wrote :

I bought a spare set, tested them, and put them on the shelf. I figure having a spare set will ensure the originals don't go bad :-)

I will swap in the spares after a year and run them for a while.

It's important to remember to set the bias when swapping out tubes.

Dave wo2x

Sent from my waxed string and tin cans.

On Oct 14, 2015, at 9:10 AM, Barry N1EU barry.n1eu@... mailto:barry.n1eu@... [acom-list] <acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com> wrote:

It's always a good idea to have a spare set of tubes on hand.

Barry N1EU

On Wed, Oct 14, 2015 at 8:52 AM, drew@... mailto:drew@... [acom-list] <acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com> wrote:
Thanks Barry, I have found messages both about C3 and a failing tube going shorted G1 to cathode. C3 seems unlikely to me since it says 0.0 V. ...and I have confirmed that this is control grid bias, of course.

I'll call Array Solutions today and see if they recommend a tube swap. I've had this set 12+ years, so I have no complaints!

73,
Drew K3PA

---In acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com, <barry.n1eu@...> wrote :

Usually indicates a failing tube, based on past postings to the group.

73, Barry N1EU

On Wed, Oct 14, 2015 at 6:01 AM, drew@... mailto:drew@... [acom-list] <acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com> wrote:

Friends,

I just had a failure on my A2000, which is critically needed for the WAG contest this weekend.

The mains fuses blew, and when replaced, after the heating cycle the amp reads BIAS TOO LOW AT POWER ON: -000V.

Does this refer to tetrode screen grid bias or? Can anyone note a likely failure? Time will be tight for repair...

73,
Drew K3PA

6817. Re: [acom-list] BIAS TOO LOW

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-14 21:59:50 UTC
From: dalej
Topic: 6813 Message: 6817

Array Solutions, a very good place.

I would've done the same.

One cannot complain after 12 years, I bet many on hours too. That is a good service life.

Dale, k9vuj

On 14, Oct 2015, at 9:22, K2LS K2LS@... [acom-list] <acom-list@yahoogroups.com> wrote:

I had similar troubles. I sent my unit back to ARRAY SOLUTIONS.

They put in a "matched pair" of tubes and replaced the caps in the bias supply, did all the necessary tweaks.

Amp now better than new. I could have done it myself (retired engineer) but let them do it.

Array solutions .... still the place.

73, Larry

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

6818. ACOM2000A - FTdx5000 - Digikeyer

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-15 05:46:25 UTC
From: ik2lol00@...
Topic: 6818 Message: 6818

Hello I have the following configuration (FTdx5000-Acom 200a new rcu and Digikeyer)
I have problems in conversation between the various devices connected . When I use Yaesu & Acom everything works perfectly , if I use the Acom digikeyer and YAESU the ACOM no longer receives the correct data of the CAT . Does anyone have this setup and had the same problem as solved ?
Tnx in advance for our help! 73's bob, ik2lol

6819. Re: Acom 2000 not taking drive

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-15 09:51:35 UTC
From: pmo75@...
Topic: 6806 Message: 6819

Is the exciter power the same between a TUNE and a KEY...

6820. Re: Acom 1000 Display

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-15 11:47:11 UTC
From: g4rra@...
Topic: 6190 Message: 6820

Hi Mike

My Acom 1000 has just started doing this as well,did you ever find out what caused it ?

It has done it before and then settled down and was for ages

Regards

Paul G4RRA

6821. Re: [acom-list] BIAS TOO LOW - SOLVED

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-17 14:34:33 UTC
From: drew@...
Topic: 6813 Message: 6821

Friends,

I have completed my A2000 repair. I did in fact have one tube with a cathode to control grid short. After 14 years, no gripes there! Jay expedited a set overnight and I am in business for the weekend. RF output also increased about 15%. (PS - be careful with those temp sensors when changing tubes!)

On his advice, I also changed all the aging electrolytics on the LV board, so I look forward to 14 more years of heavy use! :-)

73,
Drew K3PA

---In acom-list@yahoogroups.com, <dj2001x@...> wrote :

Array Solutions, a very good place.

I would've done the same.

One cannot complain after 12 years, I bet many on hours too. That is a good service life.

Dale, k9vuj

On 14, Oct 2015, at 9:22, K2LS K2LS@... mailto:K2LS@... [acom-list] <acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com> wrote:

I had similar troubles. I sent my unit back to ARRAY SOLUTIONS.

They put in a "matched pair" of tubes and replaced the caps in the bias supply, did all the necessary tweaks.

Amp now better than new. I could have done it myself (retired engineer) but let them do it.

Array solutions .... still the place.

73, Larry

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

6822. Re: [acom-list] BIAS TOO LOW - SOLVED

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-17 19:41:11 UTC
From: dalej
Topic: 6813 Message: 6822

14 years, that is pretty darned good. Array Solutions is another good place. I keep hearing of occasional failures with the Acom 2000, then I see where it's after a dozen or more years. Seems like a pretty good and reliable amp. No blower problems or noisy relay either. Everybody seems to like their 2000A's.

Dale, k9vuj

On 17, Oct 2015, at 9:34, drew@whisperingwoods.org [acom-list] <acom-list@yahoogroups.com> wrote:

Friends,

I have completed my A2000 repair. I did in fact have one tube with a cathode to control grid short. After 14 years, no gripes there! Jay expedited a set overnight and I am in business for the weekend. RF output also increased about 15%. (PS - be careful with those temp sensors when changing tubes!)

On his advice, I also changed all the aging electrolytics on the LV board, so I look forward to 14 more years of heavy use! :-)

73,
Drew K3PA

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One cannot complain after 12 years, I bet many on hours too. That is a good service life.

Dale, k9vuj

On 14, Oct 2015, at 9:22, K2LS K2LS@... [acom-list] <acom-list@yahoogroups.com> wrote:

I had similar troubles. I sent my unit back to ARRAY SOLUTIONS.

They put in a "matched pair" of tubes and replaced the caps in the bias supply, did all the necessary tweaks.

Amp now better than new. I could have done it myself (retired engineer) but let them do it.

Array solutions .... still the place.

73, Larry

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

6823. Re: [acom-list] BIAS TOO LOW - SOLVED

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-17 20:45:58 UTC
From: drew@...
Topic: 6813 Message: 6823

It' a fantastic amp. SWR tolerant also, and the company backs it well. It is complicated, so there is the rare failure after a lightening hit or something, but mine has been VFB.

Yep, Array Sol is the place!

6824. Re: [acom-list] BIAS TOO LOW - SOLVED

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-17 22:06:46 UTC
From: Dave
Topic: 6813 Message: 6824

Having had three 9500 amps previously, I can say the 2000 is the best amp I've owned.

I even had an OM2500a but couldn't deal with the noise of the blower. The 2000 is very tolerable in the shack, and the color remote display looks nice on the desk. ☐

Dave wo2x

Sent from my waxed string and tin cans.

> On Oct 17, 2015, at 3:41 PM, dalej dj2001x@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> 14 years, that is pretty darned good. Array Solutions is another good place. I keep hearing of occasional failures with the Acom 2000, then I see where it's after a dozen or more years. Seems like a pretty good and reliable amp. No blower problems or noisy relay either. Everybody seems to like their 2000A's.
>
> Dale, k9vuj
>
>
>
> On 17, Oct 2015, at 9:34, drew@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Friends,
>
>
> I have completed my A2000 repair. I did in fact have one tube with a cathode to control grid short. After 14 years, no gripes there! Jay expedited a set overnight and I am in business for the weekend. RF output also increased about 15%. (PS - be careful with those temp sensors when changing tubes!)
>
> On his advice, I also changed all the aging electrolytics on the LV board, so I look forward to 14 more years of heavy use! :-)
>
> 73,
> Drew K3PA
>
>
>
> ---In acom-list@yahoogroups.com, <dj2001x@...> wrote :
>
> Array Solutions, a very good place.
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> I would've done the same.
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> One cannot complain after 12 years, I bet many on hours too. That is a good service life.

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> On 14, Oct 2015, at 9:22, K2LS K2LS@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I had similar troubles. I sent my unit back to ARRAY SOLUTIONS.
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> Amp now better than new. I could have done it myself (retired engineer) but let them do it.
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> Array solutions .... still the place.
>
> 73, Larry
>
>
> DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.
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6825. K3 to Acom 600s cable

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 12:20:18 UTC
From: n1nk@...
Topic: 6825 Message: 6825

I recently purchased an Acom 600s and then purchased the Array Solutions interface cable for my K3. I was expecting the cable to have DB15HD connectors and pass K3 Band Data (4 bit like Yaesu) to the 600s coming from the K3 ACC port.

Rather, it has a DB9 at one end. I assume this is the serial CAT interface but do not want to hook it to the K3 serial port without knowing what is what.

Also, there is already a use for the K3 serial port, namely the P3 and the microHAM hardware which sucks up the CAT information. If the 600s is only listening then it will likely not interfere but if it also transmits then problems await me as a serial port can have only one transmitter and one listener except that a passive listener can exist. SteppIR does this.

Has anyone been down this road before?

Jim/N1NK

6826. Re: [acom-list] K3 to Acom 600s cable

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 12:44:54 UTC
From: brian
Topic: 6825 Message: 6826

Have you looked at page 9 of the manual?
http://www.manualslib.com/manual/731154/Acom-600s.html?page=9#manual

There is no telling what interface cable you have without buzzing it out with an ohmmeter. Sounds like it may be ACOM > serial RS232.
However you have to be careful . Among other things the ACOM 600 HD connector has both RS232 and TTL level serial interfaces plus BCD band data. You would probably need RS232 level. It is rumored that the K3 might also work with TTL levels-- many computers do but the signal polarity has to be flipped.

Personally I prefer using BCD band data-- especially if you have a P3. It would avoid the additional Y cable mess and complexity.
The K3 BCD band data appears on the K3 15 pin HD din connector.

If you want BCD data then check with ARRAY Solutions to see if they have such a cable.

73 de Brian/K3KO
p.s. I haven't got an ACOM-600 so the above is pure "theory".

On 10/18/2015 12:20 PM, n1nk@... [acom-list] wrote:
>
>
> I recently purchased an Acom 600s and then purchased the Array
> Solutions interface cable for my K3. I was expecting the cable to
> have DB15HD connectors and pass K3 Band Data (4 bit like Yaesu) to the
> 600s coming from the K3 ACC port.
>
> Rather, it has a DB9 at one end. I assume this is the serial CAT
> interface but do not want to hook it to the K3 serial port without
> knowing what is what.
>
> Also, there is already a use for the K3 serial port, namely the P3 and
> the microHAM hardware which sucks up the CAT information. If the 600s
> is only listening then it will likely not interfere but if it also
> transmits then problems await me as a serial port can have only one
> transmitter and one listener except that a passive listener can
> exist. SteppIR does this.
>
> Has anyone been down this road before?
>
> Jim/N1NK
>
>
>

>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6172 / Virus Database: 4447/10843 - Release Date: 10/18/15
>

6827. ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 13:10:09 UTC
From: Bruce Meier
Topic: 6827 Message: 6827

I have a question about ACOM 2000A temperatures for the rear and front tubes as displayed in the remote. I have (2) Acom 2000As and they are both acting the same, specifically - the front tube runs at a higher temp than the rear. If it was a couple degrees I would not think it an issue, but in both cases the delta could be as much as 10 deg C. Also, the temp readings are MUCH higher than what others have observed based on reflector postings. During the Stu Perry the temps got as high as 71 rear and 81 front and I was not pushing them. I was calling CQ at 25 wpm with a 3.5 second break between CQs with a run rate averaged from 60 - 80 Qs per hour. The filters are clean (even ran without filters for a while without any difference), the inside of the amps are spotless (they both had a recent cleaning and they are covered when not in use) and the blowers sound fine (no bearing noise). The shack temp was about 70 deg F at this time.

As a high water mark, I loaned my station out for WAE-SSB and at one time the temp readings were 90+ Rear and 100+ Front. The shack temp was about 80 deg F at this time. Both amps were running as the Op was running SO2R so they were busy. Yes, that is not close to the max temp allowed, but when compared to other postings my amps run about 30+ degrees warmer.

Comments? Suggestions?

73,

Bruce - N1LN

6828. Re: [acom-list] ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 13:57:53 UTC
From: Barry N1EU
Topic: 6827 Message: 6828

FWIW, Stan at Acom once told me that a 10 deg C difference was still within the limits of an acceptable match for the tube pair, although it shouldn't be greater than 10 deg C.

My take is that 71C/81C is not that high and nothing to worry about.

That being said, I'd always have a spare pair of tubes on hand.

73, Barry N1EU

On Sun, Oct 18, 2015 at 1:10 PM, 'Bruce Meier' bemeier@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> I have a question about ACOM 2000A temperatures for the rear and front
> tubes as displayed in the remote. I have (2) Acom 2000As and they are
> both acting the same, specifically – the front tube runs at a higher temp
> than the rear. If it was a couple degrees I would not think it an issue,
> but in both cases the delta could be as much as 10 deg C. Also, the temp
> readings are MUCH higher than what others have observed based on reflector
> postings. During the Stu Perry the temps got as high as 71 rear and 81
> front and I was not pushing them. I was calling CQ at 25 wpm with a 3.5
> second break between CQs with a run rate averaged from 60 – 80 Qs per
> hour. The filters are clean (even ran without filters for a while without
> any difference), the inside of the amps are spotless (they both had a
> recent cleaning and they are covered when not in use) and the blowers sound
> fine (no bearing noise). The shack temp was about 70 deg F at this time.
>
>
>
> As a high water mark, I loaned my station out for WAE-SSB and at one time
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> 80 deg F at this time. Both amps were running as the Op was running SO2R
> so they were busy. Yes, that is not close to the max temp allowed, but
> when compared to other postings my amps run about 30+ degrees warmer.
>
>
>
> Comments? Suggestions?
>
>
>
> 73,
>
> Bruce – N1LN

>
>
>

6829. Re: [acom-list] K3 to Acom 600s cable

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 20:23:05 UTC
From: n1nk@...
Topic: 6825 Message: 6829

Brian is spot on with his analysis despite not owning the relevant hardware. The Acom 600s document set contains descriptions of interface cables for a number of transceivers. For the K3, both a serial interface using a DB9 format connector at the K3 end and a Yaesu type band data interface using a DB15HD connector at the K3 are described.

I had expected the band data interface cable from Array Solutions but got the serial interface cable. The band data interface cable can be paralled onto other cables without causing mutual interference. The serial interface cable can be paralled only if the Acom 600s is a "listener" as this does not cause interference.

I will be in touch with Array Solutions on Monday.

Jim/N1NK

6830. Re: [acom-list] ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 22:20:51 UTC
From: garfieldbill700@...
Topic: 6827 Message: 6830

Barry,

Arguably correct, but the disparity in tube operating temperatures would be an indication to me that they are not that well matched of a pair. If they are original factory tubes that have been in service for a while and this is a new issue, then perhaps they're not aging-down at the same rate or else a problem in the bias circuit. What you're witnessing is one tube working harder than the other. Perhaps within spec, though marginally so, which would be a vexation to me in such an expensive product. If anything, at least ask around to see what other 2000A owners are experiencing. (personally I can't afford one)

IMO the issue is more likely than not to worsen with age. If you're seeing this anomaly in a pair of fresh tubes that you just purchased from a vendor who promised you a matched pair, I would not hesitate in returning them. Only my 2¢ worth.

73
Bill - WB9FOP

6831. Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-18 22:23:47 UTC
From: bill.8@...
Topic: 6827 Message: 6831

Hi Bruce,

you may want to consider swapping the devices over to see if the temperature difference is genuine or just a sensor calibration issue.

73
Bill
G4WJS.

6832. Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-19 13:49:02 UTC
From: fredch@...
Topic: 6827 Message: 6832

In addition to Bill's comment it maybe bad airflow design if the same socket on each of your amps runs higher than the other.

So swap the valves between front and back sockets and see if the high temp follows the valve or stays with the socket/sensor

While doing that check the valve fins for blockages or dust. I wash mine under a running tap flowing the water in the opposite direction to the airflow then dry thoroughly

73 Fred
G4BWP

---In acom-list@yahoogroups.com, <bill.8@...> wrote :

Hi Bruce,

you may want to consider swapping the devices over to see if the temperature difference is genuine or just a sensor calibration issue.

73
Bill
G4WJS.

6833. Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-19 17:02:59 UTC
From: vk6av@...
Topic: 6827 Message: 6833

Is there any chance the temp. sensors can be calibrated? Your readings seem high.

6834. Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-19 17:57:56 UTC
From: on4ct@...
Topic: 6827 Message: 6834

Bruce

As stated by some members you can calibrated the temp. sensors using a VOM meter with a temp sensor.

If the difference in temp is confirmed then you can have non matched tubes.
It is possible that one tube has gone away from the specifiactions by age.
Maybe that tube needs another bias setting , you can read the tubes replacements instructions for this. I believe in the 2000a there is a automatic procedure to follow.

Normally matched tubes are within 10 % of its other electrical specs, therefore the 10 C difference thumb rule.
Good matched tubes have a temp. diff of about 2 a 5C.
If the cooling fins or socket are not blocked by dust there is no reason for a great temp. diff other than unmathed tubes. The airflow trough the front or back tube is about the same.

Airflow can be checked by cutting a 4 inch long by 0,5 inch wide paper in small 4 stripes, leave 1 inch uncut. That end can be sticked next to the ventilation holes and observe how high the paper is moving in the air flow.
You can cut two the same papers when cutting them togehter one paper on another. A difference in air flow will be seen as how these stripes are moving into the flow.

You can leave one or the pair of papers on during use or in an contest, it is an visible control of the airflow.
When the fan is blocking or not working normally it will be seen. This simply method has been used on several cooling fans of automated machinery.

73
Dirk

6835. Re: [acom-list] ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-19 22:55:23 UTC
From: dalej
Topic: 6827 Message: 6835

Excellent advice and simple indicator of airflow out the tube. It just works. Thanks
Dale, k9vuj

On 19, Oct 2015, at 12:57, on4ct@... [acom-list] <acom-list@yahoogroups.com> wrote:

Bruce

As stated by some members you can calibrated the temp. sensors using a VOM meter with a temp sensor.

If the difference in temp is confirmed then you can have non matched tubes.
It is possible that one tube has gone away from the specifiactions by age.
Maybe that tube needs another bias setting , you can read the tubes replacements instructions for this. I believe in the 2000a there is a automatic procedure to follow.

Normally matched tubes are within 10 % of its other electrical specs, therefore the 10 C difference thumb rule.
Good matched tubes have a temp. diff of about 2 a 5C.
If the cooling fins or socket are not blocked by dust there is no reason for a great temp. diff other than unmathed tubes. The airflow trough the front or back tube is about the same.

Airflow can be checked by cutting a 4 inch long by 0,5 inch wide paper in small 4 stripes, leave 1 inch uncut. That end can be sticked next to the ventilation holes and observe how high the paper is moving in the air flow.
You can cut two the same papers when cutting them togehter one paper on another. A difference in air flow will be seen as how these stripes are moving into the flow.

You can leave one or the pair of papers on during use or in an contest, it is an visible control of the airflow.
When the fan is blocking or not working normally it will be seen. This simply method has been used on several cooling fans of automated machinery.

73
Dirk

6836. Re: [acom-list] K3 to Acom 600s cable

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-20 12:02:31 UTC
From: n1nk@...
Topic: 6825 Message: 6836

Array Solutions will be sending me the cable I asked for in the first place. The one that they sent works perfectly fine so long as the K3 serial port is not being used by any other device. I am not sure if the amp will co-exist with a P3 but it sure will not co-exist with the microHAM devices.

All will be FB in the N1NK shack in a few days. In the meantime, I just need to remember to change bands on the amp or transmit following a band change on the K3 and let it sense the new band and change. I prefer to let it change automatically prior to application of RF.

Jim/N1NK

6837. Muffin fan for Acom 1000/1500

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 00:52:14 UTC
From: radiok7jq@...
Topic: 6837 Message: 6837

Rather than installing the auxiliary fan accessory on the rear panel air intake, has anyone tried (or is it feasible) using an external muffin fan (like a 12V, externally powered, switchable on/off when/if needed) placed over the tube air exhaust on top of the cabinet (sucking air out more rapidly)? Mounting could be done using small magnets stuck on at each corner of the fan so you won't mar the cabinet. My previous THP amp had an accessory external fan mounted over the exhaust that really kept down the radiated heat from the finals, even if the internal fan kicked into high speed (which was rare). Although the specs say it's not needed unless used for continuous duty like RTTY, it still gets really hot, and extra heat removal should be beneficial under any conditions. Any thoughts?

73, Bob K7JQ

6838. Re: Muffin fan for Acom 1000/1500

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 09:55:49 UTC
From: Skip Guenter
Topic: 6837 Message: 6838

Unencumbered by any actual knowledge... The fan on the exhaust side is:

1) Gonna (hill-billy for "Going to") be a hot air restriction when it's off.

2) Unless it's a pretty strong (high cfm) it's gonna be a restriction
when it's on.

3) If it has 'nuff cfm then it's gonna be noisy.

4) Almost always better off pushing in cold than trying to extract hot.

--
S. R. 'Skip' Guenter, K5SRG/
/

6839. Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 10:20:17 UTC
From: bemeier@...
Topic: 6827 Message: 6839

Thanks to everyone for the suggestions. This is what I have done so far.

1. Took the amp apart and cleaned the blower. There was some dust on the vanes, but gone now.
2. Cleaned the filter - was not dirty as I regularly clean it, but did it anyway.
3. Adjusted the bias. The readings were a bit off, but are now in the middle of the acceptable ranges.
4. Changed the line voltage setting to NORMAL. My line voltage is 245 which is in the NORMAL range.
5. Retuned the amp using 'auto tune' as I use the amp from band to band.
6. Cut the paper as suggested to test air flow.
7. Brought home a Fluke IR thermometer to compare the amp reported temps to the IR temp tester.

Results: While using the amp last night, although light duty, the reported temps were lower (as expected due to light duty - so not a real test), and the front tube was still showing a higher temp.

Used the IR temp tester - the results was that the tubes were within 1 - 2 degrees.

Next Steps:

1. Adjust / calibrate the sensors: Where can I find the sensor calibration procedure? I checked the docs that I have and it is not there.
2. I will also be swapping the tubes (front < > back) but not yet.

I will continue to report the results and really appreciate the assistance.

73,
Bruce - N1LN

6840. Re: [acom-list] Re: Muffin fan for Acom 1000/1500

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 11:01:15 UTC
From: Dean St. Hill
Topic: 6837 Message: 6840

AN old adage: DO what the manufacturer says.

I've done two of the recommended external fan mods. It is reasonably cheap, relatively easy, and when finished it's out of sight, quiet, reliable - electrically and mechanically and fully integrated in the sense that it is meant to work with the amp and provision is made on the main board to facilitate its electrical connection.

73

Dean - 8P6SH

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Wed, Oct 21, 2015 at 5:55 AM, Skip Guenter k5srg@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Unencumbered by any actual knowledge... The fan on the exhaust side is:
>
> 1) Gonna (hill-billy for "Going to") be a hot air restriction when it's
> off.
>
> 2) Unless it's a pretty strong (high cfm) it's gonna be a restriction when
> it's on.
>
> 3) If it has 'nuff cfm then it's gonna be noisy.
>
> 4) Almost always better off pushing in cold than trying to extract hot.
>
>
> --
> S. R. 'Skip' Guenter, K5SRG
>

>
>

6841. Re: [acom-list] Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 11:44:26 UTC
From: brian
Topic: 6827 Message: 6841

Bruce,

Thanks feedback. Careful on swapping tubes. It is easy to break the leads of the transistor looking temperature sensors in the rubber chimney.

Also you might verify that HV readout is reasonably correct. A simple efficiency calc of output power/(plate V*amp) power can help detect. The older ACOM I had over 12 years ago showed an efficiency of 85%! It should be about 60-65 % key down.

The ACOM HV divider resistors have a habit of going high and the HV then reads low. Not a concern unless one worries about amp going non-linear. After they go high in value, then fail at some unpredictable time in the future. ACOM supplied new ones. Unfortunately they are buried in the PC board stack.

While you're at it inspect the molex connectors for the filaments. Earlier units had a problem with them getting oxidized and eventually failing.

73 de Brian/K3KO

On 10/21/2015 10:20 AM, bemeier@... [acom-list] wrote:
>
>
> Thanks to everyone for the suggestions. This is what I have done so far.
>
>
> 1. Took the amp apart and cleaned the blower. There was some dust on
> the vanes, but gone now.
>
> 2. Cleaned the filter - was not dirty as I regularly clean it, but did
> it anyway.
>
> 3. Adjusted the bias. The readings were a bit off, but are now in the
> middle of the acceptable ranges.
>
> 4. Changed the line voltage setting to NORMAL. My line voltage is 245
> which is in the NORMAL range.
>
> 5. Retuned the amp using 'auto tune' as I use the amp from band to band.
>
> 6. Cut the paper as suggested to test air flow.
>
> 7. Brought home a Fluke IR thermometer to compare the amp reported
> temps to the IR temp tester.

>
>
> Results: While using the amp last night, although light duty, the
> reported temps were lower (as expected due to light duty - so not a
> real test), and the front tube was still showing a higher temp.
>
>
> Used the IR temp tester - the results was that the tubes were within 1
> - 2 degrees.
>
>
> Next Steps:
>
>
> 1. Adjust / calibrate the sensors: Where can I find the sensor
> calibration procedure? I checked the docs that I have and it is not
> there.
>
> 2. I will also be swapping the tubes (front < > back) but not yet.
>
>
> I will continue to report the results and really appreciate the
> assistance.
>
>
> 73,
>
> Bruce - N1LN
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.6172 / Virus Database: 4450/10859 - Release Date: 10/20/15
>

6842. Re: [acom-list] Re: ACOM 2000A tube temp question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 12:34:34 UTC
From: Barry N1EU
Topic: 6827 Message: 6842

The other school of thought says that since your tubes are within 1-2 degrees of each other and the amp is operating fine, just use/enjoy it and don't mess with it and possibly break something. Unless, of course, you're one of those rare individuals who doesn't tend to break things ;-)

Good luck whatever you decide.

73, Barry N1EU

On Wed, Oct 21, 2015 at 7:44 AM, brian alsopb@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Bruce,
>
> Thanks feedback. Careful on swapping tubes. It is easy to break the
> leads of the transistor looking temperature sensors in the rubber chimney.
>
> Also you might verify that HV readout is reasonably correct. A simple
> efficiency calc of output power/(plate V*amp) power can help detect.
> The older ACOM I had over 12 years ago showed an efficiency of 85%! It
> should be about 60-65 % key down.
>
> The ACOM HV divider resistors have a habit of going high and the HV then
> reads low. Not a concern unless one worries about amp going
> non-linear. After they go high in value, then fail at some
> unpredictable time in the future. ACOM supplied new ones.
> Unfortunately they are buried in the PC board stack.
>
> While you're at it inspect the molex connectors for the filaments.
> Earlier units had a problem with them getting oxidized and eventually
> failing.
>
> 73 de Brian/K3KO
>
>
> On 10/21/2015 10:20 AM, bemeier@... [acom-list] wrote:
> >
> >
> > Thanks to everyone for the suggestions. This is what I have done so far.
> >
> >
> > 1. Took the amp apart and cleaned the blower. There was some dust on
> > the vanes, but gone now.
> >

> > 2. Cleaned the filter - was not dirty as I regularly clean it, but did
> > it anyway.
> >
> > 3. Adjusted the bias. The readings were a bit off, but are now in the
> > middle of the acceptable ranges.
> >
> > 4. Changed the line voltage setting to NORMAL. My line voltage is 245
> > which is in the NORMAL range.
> >
> > 5. Retuned the amp using 'auto tune' as I use the amp from band to band.
> >
> > 6. Cut the paper as suggested to test air flow.
> >
> > 7. Brought home a Fluke IR thermometer to compare the amp reported
> > temps to the IR temp tester.
> >
> >
> > Results: While using the amp last night, although light duty, the
> > reported temps were lower (as expected due to light duty - so not a
> > real test), and the front tube was still showing a higher temp.
> >
> >
> > Used the IR temp tester - the results was that the tubes were within 1
> > - 2 degrees.
> >
> >
> > Next Steps:
> >
> >
> > 1. Adjust / calibrate the sensors: Where can I find the sensor
> > calibration procedure? I checked the docs that I have and it is not
> > there.
> >
> > 2. I will also be swapping the tubes (front < > back) but not yet.
> >
> >
> > I will continue to report the results and really appreciate the
> > assistance.
> >
> >
> > 73,
> >
> > Bruce - N1LN
> >
> >
> >
> >
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com <http://www.avg.com>

> > Version: 2015.0.6172 / Virus Database: 4450/10859 - Release Date:
> 10/20/15
> >
>
>
>

6843. Re: [acom-list] Re: Muffin fan for Acom 1000/1500

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-21 13:03:41 UTC
From: Robert Olschwang
Topic: 6837 Message: 6843

Thanks for the input, guys. Idea scrapped,

73, Bob K7JQ

On 10/21/2015 4:01 AM, 'Dean St. Hill' dmsthill@... [acom-list] wrote:
> AN old adage: DO what the manufacturer says.
>
> I've done two of the recommended external fan mods. It is reasonably
> cheap, relatively easy, and when finished it's out of sight, quiet,
> reliable - electrically and mechanically and fully integrated in the
> sense that it is meant to work with the amp and provision is made on
> the main board to facilitate its electrical connection.
>
> 73
>
> Dean - 8P6SH
>
>
>
> */
> /*
> */
> /*
> */Dean St.Hill/*
> */
> /*
>
> *
> *
> *Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>*
> *It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>**
> *
> *
> *
> *17 Ocean City*
> *St.Philip*
> *Barbados*
> *
> *
> *246-825-2039*
> *246-416-5277*
> *
> *
> *dmsthill@... <mailto:dmsthill@...>*
>

> On Wed, Oct 21, 2015 at 5:55 AM, Skip Guenter k5srg@...
> <mailto:k5srg@...> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> Unencumbered by any actual knowledge... The fan on the exhaust
> side is:
>
>
> 1) Gonna (hill-billy for "Going to") be a hot air restriction when
> it's off.
>
> 2) Unless it's a pretty strong (high cfm) it's gonna be a
> restriction when it's on.
>
> 3) If it has 'nuff cfm then it's gonna be noisy.
>
> 4) Almost always better off pushing in cold than trying to extract
> hot.
>
>
> --
> S. R. 'Skip' Guenter, K5SRG/
> /
>
>
>

6844. Acom 1010 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-25 20:30:08 UTC
From: g3tkk
Topic: 6844 Message: 6844

Just had a sudden failure to my nearly new Acom 1010.

It was working fine and I went to have a meal and left the rig on as well as the amp though I switched the OPER switch to off.

On my return the amp is dead, no fan no lights on at all. Checked the plug fuse and the two on the rear of the Amp but all Ok.

On switching on I can hear faint sounds as though a transformer has power but there are no leds or fan alive.

Any ideas? Can I safely go inside to check the two internal fuses?

Peter G3TKK

6845. Re: Acom 1010 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-26 06:49:51 UTC
From: on4ct@...
Topic: 6844 Message: 6845

Peter

When the power off, wait at least 5 min. to go inside, then the capacitors are discharged. Better is to pull out the mains.

73
Dirk

6846. Acom 2100

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-26 19:28:07 UTC
From: Trevor Dunne
Topic: 6844 Message: 6846

I see Wimo are listing the Acom 2100 its specs looking very like the 1500, why did Acom feel the need to replace the 1500 so quickly???
Any news on the 1200 I wonder how it will compare to the SPE 1.3KFA
I'd like to replace my Acom 1000 with something Automatic and was thinking of a 1.3KFA but would prefer an Acom as they would be a lot more reliable that a SPE, Thanks
Trevor
EI2GLB

6847. Re: [acom-list] Acom 2100

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-26 19:54:43 UTC
From: Callum the Web Boss
Topic: 6844 Message: 6847

As Ron says at Vine Communications, when I questioned him about an upgrade, he told me the 2000 can't be beaten (in a kind of resigned voice!).

So it's the 2000 :)

Callum M0MCX

Callum McCormick
Founder

On this dastardly iPhone!

On 26 Oct 2015, at 19:28, Trevor Dunne trevor_dunne@...<mailto:trevor_dunne@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

I see Wimo are listing the Acom 2100 its specs looking very like the 1500, why did Acom feel the need to replace the 1500 so quickly???

Any news on the 1200 I wonder how it will compare to the SPE 1.3KFA

I'd like to replace my Acom 1000 with something Automatic and was thinking of a 1.3KFA but would prefer an Acom as they would be a lot more reliable that a SPE,

Thanks
Trevor
EI2GLB

6848. Re: Acom 2100

Yahoo group: acom-list (2010 — 2016)
Date: 2015-10-26 23:15:29 UTC
From: Bob Olschwang
Topic: 6844 Message: 6848

According to an Acom executive, the 1500 is not being discontinued, and will still be manufactured as long as there is demand and orders for them. The 2100 will just run legal limit continuous on all modes, be physically larger, and more expensive.

Sent from my iPad

6849. Re: Acom 1010 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-01 02:24:40 UTC
From: garfieldbill700@...
Topic: 6844 Message: 6849

Hi Peter,

Armed with little information other than your symptoms, my guess would be that you have blown one of the internal fuses, either in the high B+ or the filament supply.

If it's brand new, contact whoever you bought it from and return it.

Either way, I would suspect that replacing a blown fuse in either section of the power supply would most likely result in another blown fuse, (Very important that you use the exact same value fuses, which unfortunately aren't readily available (at least not in the states) except from the big supply houses like Mouser or a FRY's Electronics store).

HV (B+) Fuse = Littlefuse #0218002 2A **slow** blow
Filament Fuse= Littlefuse #0218005 5A **slow** blow

A blown fuse in the power supply does not happen at random. Rather such occurrence would be indicative of a shorted tube or a failed rectifier diode(s). There is an unofficial document in the files section here that can guide you in tube replacement. The first thing I would probably do would be to yank the tube, then replace the HV (or filament) fuse.then fire it up again. If the HV fuse blows a second time with the tube pulled then likely one of the diode rectifiers has failed. If the filament fuse blows a second time (with tube pulled) then look for a defective fan,

These are nothing more than wild guesses, but maybe a place to start, assuming you want to try to fix it yourself.

There are other internal fuses too but those are in the soft-start circuitry and it would be practically unheard-of for one of those to ever fail.

My money is still bet on a defective tube.

73
Bill - WB9FOP
Houston

6850. Acom 1500 filament wiring failure

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-07 20:08:55 UTC
From: john@...
Topic: 6850 Message: 6850

My Acom 1500 was purchased new from Array Solutions in December, 2013. I used it for SSB only, and have not operated in contests. The Acom 1500 had given me excellent service, but a few months ago I noticed the RF gain was starting to gradually decrease over a period of weeks. The screen current at 800 watts output was -1 ma. This seemed to me to mean the 4CX1000A was going soft.

I called Array Solutions and described the problem to them, and they reacted with surprise since no one else has had problems with this amplifier. I continued to operate, and about a week later the amplifier stopped functioning entirely. The amplifier was still within warranty, so I shipped it back to Array Solutions. In a few days they gave me a phone call and told me that a plug in the filament circuit (6 volts at 9 amps) was faulty, and some of the filament wire insulation near the plug had melted because of the poor connection. Array Solutions replaced the plug and filament wiring, and the amplifier was then in working shape.

The repaired 1500 was shipped back to me, and it seems to work like it did when it was new. I want to draw attention to the prompt and excellent service I have received from Array Solutions. I will continue to buy products from them.

6851. Issue on Acom 1000 6M No Output

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-08 22:41:53 UTC
From: John A. Ross [GM1BSG]
Topic: 6851 Message: 6851

Hello

I have an Acom 1K on loan to the local club here which basically sits only on 6M. The club already has 3 other Acoms of their own so most folks are familiar with them

I had not been for a few weeks and today I was informed it had apparently stopped "keying" on 6M for no apparent reason.

After checking all leads and cables (it is driven from a IC-7600 and I have same setup here at home) they eventually swapped the Acom around from one installed on the 80/160M station.

Now the Acom not working on 6M seems to be working perfectly on all HF bands.

The Acom removed from HF and put on 6M works fine on 6M

I do not have hands on it yet, but any known issues like this ? Any random button presses that can lockout 6M that I do not know about ?

No error codes seem to be present

The original comment about not keying is obviously inaccurate

Any pointers appreciated as at the moment I cannot find anything wrong and see no logical reason it would not perform on 6M as if there was a fault I would expect to see a trip of fault condition, not just staring back smiling.

John

6852. Re: Issue on Acom 1000 6M No Output

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-13 00:58:55 UTC
From: ghoogendijk@...
Topic: 6851 Message: 6852

Hi John,

When you key the Acom with the band switch on 50, do you see the idle current? (between 60 - 70 mA with no input) With tune on position max and the loading, is the TRI showing anything? Is the Anode current changing during load/tune?
\when you only see the idle current, and nothing changes when you load/tune, seems a problem with the band switch to me: broken contact.

However your post is unclear: You said "the Acom removed from HF and put on 6M works fine on 6M" So it working on 6 or not ??

73's Ger

6853. RE: [acom-list] Re: Issue on Acom 1000 6M No Output

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-13 09:05:55 UTC
From: John A. Ross [GM1BSG]
Topic: 6851 Message: 6853

Hi Ger

I have not had time to check it myself.

There are 4 stations in the shack with Acom 1K, HF1,2,3 and 6M, 4 in total, my Acom is on 6M and “stopped” working.

Swapping Acoms from 6M station with the one on HF3, mine works fine on HF, the one removed from HF3 and installed at the 6M station, is also working fine.

The issue followed the Acom, sorry if that was not clear.

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 13 November 2015 00:59
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Issue on Acom 1000 6M No Output

Hi John,

When you key the Acom with the band switch on 50, do you see the idle current? (between 60 - 70 mA with no input) With tune on position max and the loading, is the TRI showing anything? Is the Anode current changing during load/tune?

\when you only see the idle current, and nothing changes when you load/tune, seems a problem with the band switch to me: broken contact.

However your post is unclear: You said "the Acom removed from HF and put on 6M works fine on 6M" So it working on 6 or not ??

73's Ger

6854. Tiny A2000 screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-15 12:59:52 UTC
From: drew@...
Topic: 6854 Message: 6854

Friends,

I find that these screws are soft and easily mangled every time I service the amp. How about you? I finally found a source, but I had to order 1000. They were cheap. If anyone else is in need of them, send me an SASE and I'll send you some.

73,
Drew K3PA

6855. Re: Tiny A2000 screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-15 13:32:17 UTC
From: on4ct@...
Topic: 6854 Message: 6855

Drew
The screws are not that soft, but the metal sheet will damage the tread when the screw/cover is not
corretly placed. Or when thigting the cover will deform and cutting in the srews.

Therefore when demounting the topplate : loose the screws situated diagonally by one by one for abt two turns, While doing this you can push the plate a little side ways. Then again one by one two turns and then you can furhter turn the screws by hand and take them out. If you have to turn them out with a tool it is not normal, the cover is friction against the tread.

For mounting the plate : same way , turn the screws in diagonally for two turns by hand, It must go easy if there is a restistance when turing then the plate is cutting in the tread. Push the plate a little , it will take another positon. Then use a srew driver to turn the srews almost to the end, this must be done again srew by screw at the front/head/middle/side ...
The starting positing on the top cover over the chassis is important.

Hope this helps reducing damage to the srews.

73
Dirk
on4ct

6856. Re: Issue on Acom 1000 6M No Output

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-15 13:34:48 UTC
From: on4ct@...
Topic: 6851 Message: 6856

John
I would start to open the little cover under the amp , there is the input circuit.
Check for loose wires.
I have no schema anymore of the 1000, but I think they use a realy to switch in coil on 10m, maybe also
on 6m.
Works this amp still on 10 m ?

73
Dirk
on4ct

6857. RE: [acom-list] Re: Issue on Acom 1000 6M No Output

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-15 13:42:49 UTC
From: John A. Ross [GM1BSG]
Topic: 6851 Message: 6857

Dirk

I had the guys swap back the amps today and so far all is working as it should, no issues.

So far the possibilities are small, including user error.

But, its working

John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 15 November 2015 13:35
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Issue on Acom 1000 6M No Output

John
I would start to open the little cover under the amp , there is the input circuit.
Check for loose wires.
I have no schema anymore of the 1000, but I think they use a realy to switch in coil on 10m, maybe also
on 6m.
Works this amp still on 10 m ?

73
Dirk
on4ct

6858. Re: Tiny A2000 screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-16 14:07:11 UTC
From: drew@...
Topic: 6854 Message: 6858

Thanks Dirk,

I have not had thread damage, I have had the heads strip on qbout 1/3 of the screws each use. Many report the same.

73,
Drew K3PA

6859. Re: [acom-list] Tiny A2000 screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-16 17:29:46 UTC
From: Mike Harris
Topic: 6854 Message: 6859

Are these the brown cover screws with the fixed washer or something else? I have one of the cover screws that is bad. When I received my A1000 I removed all the covers to check for damage and to make sure everything was still in place after shipping before applying power. One of the screws was seriously tight and the cross head was slightly damaged in the attempt to remove it. One of the problems is the variation in cross head screw pattern and the danger of using a non-matching screwdriver or one that has simply seen its best days.

If they are the matching cover screws, well I have some unused GS to exchange for a few.

Regards,

Mike VP8NO

On 15/11/2015 09:59, drew@... [acom-list] wrote:
> Friends,
>
>
> I find that these screws are soft and easily mangled every time I service the amp. How about you? I finally found a source, but I had to order 1000. They were cheap. If anyone else is in need of them, send me an SASE and I'll send you some.
>
>
> 73,
> Drew K3PA
>

6860. Re: [acom-list] Tiny A2000 screws

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-16 20:19:06 UTC
From: drew@...
Topic: 6854 Message: 6860

Hi Mike,

Mine are black, but yes, there are the tiny ones with the built in washer. If black works for you, I will be more than glad to send you some. No GS needed - they were cheap in quantity. Use your callbook address? About how many do you need - perhaps a whole set so they match?

73,
Drew K3PA

---In acom-list@yahoogroups.com, <mike.harris@...> wrote :

Are these the brown cover screws with the fixed washer or something
else? I have one of the cover screws that is bad. When I received my
A1000 I removed all the covers to check for damage and to make sure
everything was still in place after shipping before applying power. One
of the screws was seriously tight and the cross head was slightly
damaged in the attempt to remove it. One of the problems is the
variation in cross head screw pattern and the danger of using a
non-matching screwdriver or one that has simply seen its best days.

If they are the matching cover screws, well I have some unused GS to
exchange for a few.

Regards,

Mike VP8NO

On 15/11/2015 09:59, drew@... mailto:drew@... [acom-list] wrote:
> Friends,
>
>
> I find that these screws are soft and easily mangled every time I service the amp. How about you? I finally found a source, but I had to order 1000. They were cheap. If anyone else is in need of them, send me an SASE and I'll send you some.
>
>
> 73,
> Drew K3PA
>

6861. Acon 1010 Questions

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 03:54:29 UTC
From: k2qb@...
Topic: 6861 Message: 6861

Curious how the antenna switching works. If the amp is off does it default to the antenna 1 position? Can you still select 1 or 2 with the amp off? Any other info you can provide would be appreciated.

K2QB

6862. 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 13:31:42 UTC
From: n5ifh@...
Topic: 6862 Message: 6862

Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair of tubes...just in case! What I've
found is that no one is making them anymore and everywhere I look they are out of stock. Looks like I should of stayed with my solid state amp. Nobody saw this coming? 73, Roger.

6863. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 13:44:43 UTC
From: K2LS
Topic: 6862 Message: 6863

On 11/18/2015 8:31 AM, n5ifh@... [acom-list] wrote:
>
> Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair
> of tubes...just in case! What I've
> found is that no one is making them anymore and everywhere I look they
> are out of stock. Looks like I should of stayed with my solid state
> amp. Nobody saw this coming? 73, Roger.
>
>
>
There's thousands of tubes available for the 2000. NOS, Array solutions.
About $600 a pair +-
73, Larry

DxPacketcluster DXC.K2LS.COM Spots from NA zones 1-8 only.

6864. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 13:45:18 UTC
From: Barry N1EU
Topic: 6862 Message: 6864

Search engines should reveal that we've been talking about this for years.

73, Barry N1EU

On Wed, Nov 18, 2015 at 8:31 AM, n5ifh@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair of
> tubes...just in case! What I've
> found is that no one is making them anymore and everywhere I look they are
> out of stock. Looks like I should of stayed with my solid state amp.
> Nobody saw this coming? 73, Roger.
>
>
>
>

6865. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 13:50:32 UTC
From: Barry N1EU
Topic: 6862 Message: 6865

Roger, you might try looking for "GU74B" tubes instead of "4CX800A7".

73, Barry N1EU

On Wed, Nov 18, 2015 at 8:31 AM, n5ifh@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair of
> tubes...just in case! What I've
> found is that no one is making them anymore and everywhere I look they are
> out of stock. Looks like I should of stayed with my solid state amp.
> Nobody saw this coming? 73, Roger.
>
>
>
>

6866. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 13:50:52 UTC
From: Dave
Topic: 6862 Message: 6866

Hi Roger

I got mine from Vine Antenna in the UK. It took a few days for them to get tubes from their supplier and test & match a pair. Total was right around $600 shipped for matched pair and less than two weeks from order to delivery stateside.

Dave wo2x

Sent from my waxed string and tin cans.

> On Nov 18, 2015, at 8:31 AM, n5ifh@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair of tubes...just in case! What I've
> found is that no one is making them anymore and everywhere I look they are out of stock. Looks like I should of stayed with my solid state amp. Nobody saw this coming? 73, Roger.
>
>
>
>

6867. Re: 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 13:57:36 UTC
From: k2qb@...
Topic: 6862 Message: 6867

Well I just purchased the 1010...being delivered today. It uses the same tube so I am also very concerned. I did find a supplier on line that has six in stock at $160.00. I sent an email to Acom asking about the availability of the tube and why they chose to use this tube if in fact it is no longer available. I may consider buying one of the six and just store it in case I ever do need a replacement down the road.

Jim K2QB

6868. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:04:20 UTC
From: Andre VanWyk
Topic: 6862 Message: 6868

Have you tried Array Solutions?
73
NJ0F

Sent from my iPhone

> On Nov 18, 2015, at 7:50 AM, Barry N1EU barry.n1eu@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Roger, you might try looking for "GU74B" tubes instead of "4CX800A7".
>
> 73, Barry N1EU
>
>> On Wed, Nov 18, 2015 at 8:31 AM, n5ifh@... [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>> Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair of tubes...just in case! What I've
>> found is that no one is making them anymore and everywhere I look they are out of stock. Looks like I should of stayed with my solid state amp. Nobody saw this coming? 73, Roger.
>>
>
>

6869. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:08:56 UTC
From: n5ifh@...
Topic: 6862 Message: 6869

Odd, I've looked at Array Solutions, DXEngineering, Alpha, ebay...nothing!

6870. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:13:47 UTC
From: Andre VanWyk
Topic: 6862 Message: 6870

They are listed on Array Solutions website under the price list section @ $650 pair.
NJ0F

Sent from my iPhone

> On Nov 18, 2015, at 8:08 AM, n5ifh@twcny.rr.com [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Odd, I've looked at Array Solutions, DXEngineering, Alpha, ebay...nothing!
>
>

6871. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:18:54 UTC
From: Barry N1EU
Topic: 6862 Message: 6871

Funny, I search eBay for 4cx800A and get a slew of results.

Barry N1EU

On Wed, Nov 18, 2015 at 9:08 AM, n5ifh@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Odd, I've looked at Array Solutions, DXEngineering, Alpha, ebay...nothing!
>
>

6872. Re: 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:21:35 UTC
From: n5ifh@...
Topic: 6862 Message: 6872

Didn't mean to get anyone upset here! I guess I just wasn't looking in the right places.
73, Roger

6873. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:32:05 UTC
From: n5ifh@...
Topic: 6862 Message: 6873

Your absolutely correct! Don't know what I did wrong with the search!

6874. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:46:26 UTC
From: GEORGE COSMETIS
Topic: 6862 Message: 6874

Hi, Roger. The 2000 uses same tube as the 1000. Gu74b. Bought my spare from vine tested & guaranteed.

73 WA3CCI

_____
From: acom-list@yahoogroups.com <acom-list@yahoogroups.com> on behalf of n5ifh@...m [acom-list] <acom-list@yahoogroups.com>
Sent: Wednesday, November 18, 2015 8:31 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] 4CX800A7

Wow....I just purchased the ACOM 2000A and thought I'd pick up a pair of tubes...just in case! What I've
found is that no one is making them anymore and everywhere I look they are out of stock. Looks like I should of stayed with my solid state amp. Nobody saw this coming? 73, Roger.

6875. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:46:58 UTC
From: Barry N1EU
Topic: 6862 Message: 6875

No worries Roger. Enjoy the 2000A, it's an incredible amplifier!

73, Barry N1EU

On Wed, Nov 18, 2015 at 9:32 AM, n5ifh@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> Your absolutely correct! Don't know what I did wrong with the search!
>
>

6876. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 14:51:46 UTC
From: Andre VanWyk
Topic: 6862 Message: 6876

....and those tubes will probably outlive you ..... and me.....
Enjoy that fine amp!
73
NJ0F

Sent from my iPhone

> On Nov 18, 2015, at 8:46 AM, Barry N1EU barry.n1eu@... [acom-list]
<acom-list@yahoogroups.com> wrote:
>
> No worries Roger. Enjoy the 2000A, it's an incredible amplifier!
>
> 73, Barry N1EU
>
>> On Wed, Nov 18, 2015 at 9:32 AM, n5ifh@....com [acom-list] <acom-list@yahoogroups.com>
wrote:
>>
>> Your absolutely correct! Don't know what I did wrong with the search!
>>
>
>

6877. RES: [acom-list] Acon 1010 Questions

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 11:38:37 UTC
From: Marcus - PP5MS
Topic: 6861 Message: 6877

Hi James,

The 1010 default antenna-1 when power off.

No, you cannot select antennas if the amplifier is power off…

73,

Marcus – PP5MS

De: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Enviada em: quarta-feira, 18 de novembro de 2015 01:54
Para: acom-list@yahoogroups.com
Assunto: [acom-list] Acon 1010 Questions

Curious how the antenna switching works. If the amp is off does it default to the antenna 1 position? Can you still select 1 or 2 with the amp off? Any other info you can provide would be appreciated.

K2QB

Este email está limpo de vírus e malwares porque a proteção do avast! Antivírus está ativa.
https://www.avast.com/antivirus

6878. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 19:48:07 UTC
From: k2qb@...
Topic: 6862 Message: 6878

Also a lot of them available on Ebay. I actually came across posts as far back as 2007 about these being discontinued then, and a letter from Acom stating that it was strictly a rumor and that the tubes are readily available. That was 2007, but good to see that they are still available. Jim K2QB

6879. Re: [acom-list] 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-18 20:41:17 UTC
From: drew@...
Topic: 6862 Message: 6879

Just FYI,

I replaced two of those tubes in my A2000 last month after 14 years of heavy contest service, as one had become intermittent. They were still outputting about 85% of the power they produced when new.

The Russian designation for the tubes used by Acom and others is GU74b. This may help your search. I purchased my replacements from Array Solutions, because they were fully tested and shipped overnight. As well as AS's general awesomeness.

73,
Drew K3PA

6880. Re: 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-19 04:01:51 UTC
From: Jay Terleski
Topic: 6862 Message: 6880

As the others have said this is an old subject.
The GU74b is available from us, tested and matched NOS, never used.
We have our own tester to match them. There should be many listers here
that have purchased them from us.
Jay, WX0B

Jay Terleski
President
Array Solutions
214 954 7140

6881. RE: [acom-list] Re: 4CX800A7

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-19 04:54:15 UTC
From: N4KH Jim
Topic: 6862 Message: 6881

Hi Jay,How much is a single tube from AS? I have an A1000 that I plan to keep forever and have been thinking of getting a spare just in case.Jim

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "Jay Terleski jayt@arraysolutions.com [acom-list]" <acom-list@yahoogroups.com>
Date: 11/18/2015 9:01 PM (GMT-07:00)
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: 4CX800A7

As the others have said this is an old subject.The GU74b is available from us, tested and matched NOS, never used.We have our own tester to match them. There should be many listers here that have purchased them from us.Jay, WX0B
Jay Terleski
President
Array Solutions
214 954 7140

6882. New Acom 1010

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-19 15:21:02 UTC
From: k2qb@...
Topic: 6882 Message: 6882

The amp arrived yesterday and much to my surprise, it looks ten times better then any of the pics I have seen to date. The front has been revamped with all the LED's being recessed behind the front panel and not visible unless lit. This thing look more like a piece of high end stereo equipment then a linear. I uploaded a pic if you care to take a look at it. As far as the operation, having only played with it for one evening I can say I am excited to out it through it's paces. Tuning it up on the bands was a breeze and 30w to 40w in got me 700 out with no problem. Took me only one night to realize I made the right decison.

Jim K2QB

6883. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-19 15:21:26 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6883

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /Amcom 1010.jpg
Uploaded by : jim_k2qb <k2qb@...>
Description : Acom 1010 Picture

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/Amcom%201010.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

jim_k2qb <k2qb@...>

6884. Acom 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-20 16:51:26 UTC
From: w6vy@...
Topic: 6884 Message: 6884

Hello All,
For those with the Acom 1500 - how repeatable are the settings? Once I have tuned the amp on the bands can I just return to those settings or do I have to fine tune the amp each time I change bands?

Thanks
Bob W6VY

6885. Re: [acom-list] Acom 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-20 17:21:42 UTC
From: Doug Smith
Topic: 6884 Message: 6885

I find the settings on the ACOM 1500 very repeatable. They would be more so if they had used a vernier control and had 100 hash marks instead of 20. (And, that is my only minor criticism of the amp which I otherwise love.)

I think the loading control is generally more sensitive to position and, while touching up the tuning, I find it needs adjusting more often than the tuning control. But, then, I like to have that thing perfectly adjusted. The tuning control is nearly always right on the money.

I always do a “touch up” tuning. Usually takes two short bursts (less than a second) , one for each control.

73,
Doug, W7KF
http://www.w7kf.com <http://www.w7kf.com/>

> On Nov 20, 2015, at 9:51 AM, w6vy@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
>
> Hello All,
>
> For those with the Acom 1500 - how repeatable are the settings? Once I have tuned the amp on the bands can I just return to those settings or do I have to fine tune the amp each time I change bands?
>
>
>
> Thanks
>
> Bob W6VY
>

6886. Re: [acom-list] Acom 1500 Question

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-20 18:31:18 UTC
From: Robert Olschwang
Topic: 6884 Message: 6886

I find them repeatable to a degree, provided you're in the same general portion of the band you're changing to when you last used that band. Also depends on how SWR broadbanded your antenna is. Personally, I ALWAYS check SWR first (you never know if something external affected it), then fine tune after each band change...only takes a few seconds. The load control is more "touchy" than the Tune control. Better to be safe than sorry.

73, Bob K7JQ

On 11/20/2015 9:51 AM, w6vy@... [acom-list] wrote:
>
> Hello All,
>
> For those with the Acom 1500 - how repeatable are the settings? Once
> I have tuned the amp on the bands can I just return to those settings
> or do I have to fine tune the amp each time I change bands?
>
>
> Thanks
>
> Bob W6VY
>
>
>

6887. RCU Acom 2000 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-23 12:45:09 UTC
From: gianni_ud@...
Topic: 6887 Message: 6887

RCU Acom 2000 old version, but new , never used, 250 euro + shipping.
Contact : gianni_ud@yahoo.it

73 iv3jcc

6888. Re: Acom 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-23 21:59:49 UTC
From: phil@...
Topic: 6222 Message: 6888

The Technical Supplement is not on their website that I can find. Has anyone found the Technical Supplement for the 2000A ?
thanks,
Phil K3TUF

6889. RE: [acom-list] Re: Acom 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-24 07:10:14 UTC
From: Bill Hider
Topic: 6222 Message: 6889

I received my Technical Supplement CD with my purchase of my two A2000a from Array Solutions.

Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, November 23, 2015 5:00 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 2000A Technical Supplement

The Technical Supplement is not on their website that I can find.

Has anyone found the Technical Supplement for the 2000A ?

thanks,

Phil K3TUF

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7227 / Virus Database: 4460/11053 - Release Date: 11/23/15

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7227 / Virus Database: 4460/11053 - Release Date: 11/23/15

6890. Re: Acom 2000A Technical Supplement

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-24 13:13:47 UTC
From: Jay Terleski
Topic: 6222 Message: 6890

There are some resources on the web, one is here
http://www.mods.dk/manual.php?brand=acom

We can e-mail the you also the package later today if you just ring us up
or email a request.
Acom should post the downloads on their website. It should not be a hard
thing to do either.

Jay, WX0B

Jay Terleski
President
Array Solutions
214 954 7140

6891. Power On or Off

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-25 15:01:47 UTC
From: Jeff Freedman
Topic: 6891 Message: 6891

Fairly trivial question for the group: I usually power up my 1000 first thing in the morning to work the early DX. May leave the shack for a couple hours and come back.

Is it better to power down the amp when I'm gone and power up on return; or just let it sit idle during that time?

Appreciate your thoughts.

Thanks and 73 - Jeff K7JF

Jeff Freedman

Gig Harbor, WA

6892. Re: [acom-list] Power On or Off

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-25 19:47:52 UTC
From: Ira Neal
Topic: 6891 Message: 6892

I leave the switch in the back on unless:
Gone for more than 2 days.
Storm.
Otherwise, the stay switch is on when I'm in the shack and think I'm going
to operate.
73 ke4ex
On Nov 25, 2015 10:01 AM, "'Jeff Freedman' jeff.freedman@...
[acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> Fairly trivial question for the group: I usually power up my 1000 first
> thing in the morning to work the early DX. May leave the shack for a couple
> hours and come back.
>
> Is it better to power down the amp when I’m gone and power up on return;
> or just let it sit idle during that time?
>
>
>
> Appreciate your thoughts.
>
>
>
> Thanks and 73 – Jeff K7JF
>
>
>
>
>
> *Jeff Freedman*
>
> *Gig Harbor, WA*
>
>
>
>

6893. Re: Power On or Off

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-26 11:18:23 UTC
From: mikael.bjorkgren@...
Topic: 6891 Message: 6893

Maybe you can ask yourself?

/Mikael

6894. Re: Power On or Off

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-26 11:33:00 UTC
From: Eric Fowler
Topic: 6891 Message: 6894

A tube's filament is stressed each time it is turned on, same as an incandescent light bulb. I use my 2000A once a week. If I even think im going to operate it again that same day, I leave it in standby, with the filaments hot.

Eric / WV3E

6895. Re: Power On or Off

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-26 11:47:26 UTC
From: bill.8@...
Topic: 6891 Message: 6895

The Acom 1000 rear power switch only turns on the low voltage supply to the logic and display so leaving it on is not a serious current drain or cause of wear but it doesn't provide any useful functionality other than enabling the main electronic power switch (and reading fault codes I believe). I always turn mine off when not in the shack as it seems to be a waste of electricity even if it is a small amount.

I would never leave the HT and heaters on for extended periods when not operating, although the filament lifetime is shortened by power cycling I doubt that it is a critical wear factor given that most devices eventually fail from HT shorts. Also I would guess that the electricity saved by turning off for extended non-operating periods e.g. when not in the shack would cover the cost of device replacement several times over.

73
Bill
G4WJS.

6896. Acom 1200S Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-28 17:00:13 UTC
From: esunetdude@...
Topic: 6896 Message: 6896

Does anyone know when the 1200S will be available in the USA? And what stores are going to carry them? The issue of price will be resolved once the first two questions are resolved.

73
Doug - N3JXB

6897. Re: [acom-list] Acom 1200S Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-28 17:04:29 UTC
From: Robert Dorchuck W6VY
Topic: 6896 Message: 6897

I would like to know too......73Bob W6VY

From: "esunetdude@hotmail.com [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Saturday, November 28, 2015 9:00 AM
Subject: [acom-list] Acom 1200S Availability

Does anyone know when the 1200S will be available in the USA? And what stores are going to carry them? The issue of price will be resolved once the first two questions are resolved.

73
Doug - N3JXB

6898. Re: [acom-list] Acom 1200S Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-29 06:02:10 UTC
From: ragnar otterstad
Topic: 6896 Message: 6898

Why not ask the factory ?
73 Rag LA5HE

6899. Re: Acom 1200S Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-29 10:05:46 UTC
From: michael.newbury@...
Topic: 6896 Message: 6899

I have one on pre order, from what I've heard from Val at Acom they hope to start production of the 1200s in mid to late December, but with a new line who knows, delays could happen, as they already have, as far as I know it was supposed to be out originally in November, I really don't expect to see it much before Feb or March to be honest.

Michael SA4MDN

6900. ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-29 23:20:07 UTC
From: davenlr@...
Topic: 6900 Message: 6900

I have an issue with my 6 month old ACOM 1010.

The supply voltage is set to 240V. My actual line voltage is 247V.

The amp powers up fine, tunes fine, transmits fine. Then at the end of the day, I put the amp in stand-by, and flip off the front panel power switch. About once every 3 months, when I power it off with the front panel switch, it immediately blows both line fuses on the back panel.

Does anyone have any suggestions as to what might be causing this?

Dave
N5GGG

6901. Re: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 00:12:27 UTC
From: Unit365
Topic: 6900 Message: 6901

Hi Dave,

Try to put a backups between the amp and electric line. You need a big one but you will see if it is the electric line or an amp issue.

My 2000a is protected by a 2700va backups and no problem. Just i can’t use the full power of the amp but i never do it.
1010 need less power.

73

F4FQH
Olivier

From: mailto:acom-list@yahoogroups.com
Sent: Monday, November 30, 2015 12:20 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 1010 fuse blows

I have an issue with my 6 month old ACOM 1010.

The supply voltage is set to 240V. My actual line voltage is 247V.

The amp powers up fine, tunes fine, transmits fine. Then at the end of the day, I put the amp in stand-by, and flip off the front panel power switch. About once every 3 months, when I power it off with the front panel switch, it immediately blows both line fuses on the back panel.

Does anyone have any suggestions as to what might be causing this?

Dave
N5GGG

6902. Re: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 00:17:15 UTC
From: davenlr@...
Topic: 6900 Message: 6902

I will look into that. Im not sure I have ever seem a 240V UPS for sale in the US, but I sure will look it up. Thanks for the suggestion.

Dave

6903. Re: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 00:25:38 UTC
From: davenlr@...
Topic: 6900 Message: 6903

The only 240V line conditioners I can find are for the whole house, and very expensive. If it is the extra 7 volts on the power line, would I be better off just retapping it for 120V and using a dedicated 120V power line? I could do that easily by switching out the plug in the wall, and rewiring the breaker.

6904. RE: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 00:28:05 UTC
From: KI4GEDAB
Topic: 6900 Message: 6904

Amazon has them for about $130 that are good for 1KW for 10 to 30 minutes, depending on load.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, November 29, 2015 19:26
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] ACOM 1010 fuse blows

The only 240V line conditioners I can find are for the whole house, and very expensive. If it is the extra 7 volts on the power line, would I be better off just retapping it for 120V and using a dedicated 120V power line? I could do that easily by switching out the plug in the wall, and rewiring the breaker.

[Non-text portions of this message have been removed]

6905. RE: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 00:48:27 UTC
From: davenlr@...
Topic: 6900 Message: 6905

OK, I see that unit. It runs off mains voltage until mains voltage drops out, then switches over to UPS...so I would still be getting a full 247V. There is a unit on Amazon by trippLite that actually converts the 247vto DC, and then reconverts it back to sine wave 240 filtered output, but the price tag on that is $800, WAY out of my price range. I will keep looking.

6906. RE: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 01:04:47 UTC
From: KI4GEDAB
Topic: 6900 Message: 6906

FYI, if you have not seen them before, the input voltage specs for the amp are:

h) Primary Power: 85-132 V/170-264 V ac (100, 110, 120, 200, 210, 220, 230 & 240 V nominal taps), +10% -15% tol.), 50-60 Hz, single phase, 1200 VA.

73

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, November 29, 2015 19:48
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 1010 fuse blows

OK, I see that unit. It runs off mains voltage until mains voltage drops out, then switches over to UPS...so I would still be getting a full 247V. There is a unit on Amazon by trippLite that actually converts the 247vto DC, and then reconverts it back to sine wave 240 filtered output, but the price tag on that is $800, WAY out of my price range. I will keep looking.

[Non-text portions of this message have been removed]

6907. RE: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 01:26:40 UTC
From: davenlr@...
Topic: 6900 Message: 6907

OK, the distributor seemed the think it was caused by overvoltage, but from this spec (thanks) its not being over-voltage supplied, so Ill ask, what could possibly blow both fuses by turning off the amp? A short or bad power switch? I do noticed when I power it off, all the leds on the front panel flash. This happens so intermittently, Im not sure what to look for as a cause.

Turning it on, and running it, even up to 900 watts, causes no blown fuses.

Dave

6908. RE: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 01:50:53 UTC
From: KI4GEDAB
Topic: 6900 Message: 6908

The Amp specs are consistent with the US Standard for power distribution systems so that part is OK.

I do not own the amp so I am not familiar with its characteristic or circuitry (I do own an ACOM 2000A which has worked fine for many years with a nominal voltage of 246V).

If the problem always occurs when the power is being switched OFF and not when it is switched ON (the most likely time for a fuse to blow), there is obviously a current surge that is being generated when it is cycled OFF (could it possibly be that the contacts are bouncing?).

If you cannot identify the cause, the “rule-of-thumb” to replace the “cheapest thing first” suggests that you should try replacing the power switch first (just a shot in the dark).

73

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, November 29, 2015 20:27
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] ACOM 1010 fuse blows

OK, the distributor seemed the think it was caused by overvoltage, but from this spec (thanks) its not being over-voltage supplied, so Ill ask, what could possibly blow both fuses by turning off the amp? A short or bad power switch? I do noticed when I power it off, all the leds on the front panel flash. This happens so intermittently, Im not sure what to look for as a cause.

Turning it on, and running it, even up to 900 watts, causes no blown fuses.

Dave

[Non-text portions of this message have been removed]

6909. RE: [acom-list] ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 01:54:00 UTC
From: davenlr@...
Topic: 6900 Message: 6909

OK, thanks. I have a callback in to Array Solutions. I will ask them to send me a new power switch and see if that fixes the issue. Since it only happens every 3 months or so, its hard to track down.

Appreciate the suggestions.

Dave

6910. Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-11-30 18:11:40 UTC
From: on4ct@...
Topic: 6900 Message: 6910

Dave

Is this a new amp or second hand ?
Check the value of the fuses, not only the Amperes but also the type, in the power supply there must be 'slow' types used.
In the manual you will find value and type.

Other reasons for blowing these fuses :
- bad transformator
- bad relays in the current limiting circuit
- bad or shorted capacitors in the power supply

I have once repaired a 1010 with who blows the fuses. The problem was a shorted blocking capacitor in the rf part, I htink there are two of them.
I could not see anything on that blue capacitor, after desolding I could see a black spot on it.
So the power supply was shorted to ground.

I have posted this earlier in aug. 2014.

Hope this helps

73
Dirk
on4ct

6911. Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 00:46:27 UTC
From: davenlr@...
Topic: 6900 Message: 6911

This was bought new, less than a year ago.
The fuses are factory installed inside on the power supply. These have not blown.
In the manual it says to use For 240 V: 6.3 A 250 V 5 x 20 mm fast (quick blow)

That is what I am putting in the amplifier. It is the mains line fuses that are blowing when turning off the unit, but only once every three months or so.

I notice when I power the unit off with the front panel switch, all the LEDS flash on for a second.
When I just pull the line cord out of the back, they do not do that. I am suspecting a back switch.
Still have not received a return phone call from Array Solutions to confirm.

Thanks,
Dave

6912. Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 02:22:33 UTC
From: kk7h@...
Topic: 6900 Message: 6912

I have had this problem with my Acom 1010 also. I happened when I tried to turn off the amp and did not complete the toggle of the switch, it then returned to the on position and blew the fuses. I always make sure that I firmly switch the power switch to off to prevent this from happening again. It appears to be a faulty switch, in my opinion. I think Acom should be made aware of this, now that it appears to be commonplace for the Acom 1010. After reading the posts here I will contact Acom and make them aware of the problem. I would recommend that anyone having this problem to do likewise.

73 DE
Mike KK7H

6913. Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 02:47:09 UTC
From: davenlr@...
Topic: 6900 Message: 6913

Thanks. I will do so also. Apparently my dealer is no longer an authroized dealer for ACOM, so I will contact them directly at their tech support number 508-359-5990.

Thanks

6914. Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 04:28:55 UTC
From: garfieldbill700@...
Topic: 6900 Message: 6914

My 1010 is wired for 240v and the actual voltage is around 246, but I've had zero trouble with it. The only mod I've done is the fan mod to speed up the fan and keep the tube cooler. (Jumper resistor R35A, 33-ohms, 1-watt on the Mains board.)

This sounds suspiciously like a bad main power switch, especially since you're not having any other issues plus it being intermittent. Also since as you say this is happening coincident to turning it off, I doubt that a surge protector would be of any help.

73 - Bill
WB9FOP

6915. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 04:33:46 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6915

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /ACOM 1010 Tube Replacement.pdf
Uploaded by : garfieldbill700 <garfieldbill700@...>
Description : Acom factory documentation for tube replacement on the 1010, including
adjusting the bias

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/ACOM%201010%20Tube%20Replacement.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

garfieldbill700 <garfieldbill700@...>

6916. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 04:35:34 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 6916

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /ACOM 1010 Disassembly.pdf
Uploaded by : garfieldbill700 <garfieldbill700@...>
Description : Acom 1010 chassis disassembly instructions

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/ACOM%201010%20Disassembly.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

garfieldbill700 <garfieldbill700@...>

6917. Re: [acom-list] Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 16:55:09 UTC
From: wleggat@...
Topic: 6900 Message: 6917

The same thing happened to my Astron P.S. It was a bad off-on power switch.
Bill
WA3LLF
----- Original Message -----

From: "garfieldbill700@yahoo.com [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@...m
Sent: Monday, November 30, 2015 11:28:55 PM
Subject: [acom-list] Re: ACOM 1010 fuse blows

My 1010 is wired for 240v and the actual voltage is around 246, but I've had zero trouble with it. The only mod I've done is the fan mod to speed up the fan and keep the tube cooler. (Jumper resistor R35A, 33-ohms, 1-watt on the Mains board.)

This sounds suspiciously like a bad main power switch, especially since you're not having any other issues plus it being intermittent. Also since as you say this is happening coincident to turning it off, I doubt that a surge protector would be of any help.

73 - Bill
WB9FOP

6918. Acom 2000 Corrupted flash

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 20:07:44 UTC
From: Dave
Topic: 6918 Message: 6918

Has anyone experienced an error with an Acom 2000 something along the lines

Firmware is corrupted. Please reprogram Amulet OS files....

This is a brand new amp.

Thanks
Dave wo2x

Sent from my waxed string and tin cans.

6919. Re: Acom 2000 Corrupted flash

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 20:47:20 UTC
From: pa3hgt@...
Topic: 6918 Message: 6919

Dave,

If it's a brand new amp , contact the seller or Acom ?
I read the manual but i see no reset-procedure.

Be sure that the main unit and the display are properly connected.

Hans,PA3HGT

6920. Re: [acom-list] Re: Acom 2000 Corrupted flash

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-01 22:22:43 UTC
From: Dave
Topic: 6918 Message: 6920

Yes, brand new. All connections checked. This is my friends amp. I have one and helped him hook it up.

The dealer is sending out a replacement amp. I was hoping it may be something simple.

73
Dave wo2x

Sent from my iPad

> On Dec 1, 2015, at 3:47 PM, pa3hgt@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Dave,
>
>
> If it's a brand new amp , contact the seller or Acom ?
> I read the manual but i see no reset-procedure.
>
> Be sure that the main unit and the display are properly connected.
>
>
> Hans,PA3HGT
>
>
>

6921. Re: ACOM 1010 fuse blows

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-04 04:29:05 UTC
From: davenlr@...
Topic: 6900 Message: 6921

I received a response from ACOM USA, and they stated they have had very few issues with this model power switch, but said they would send me a replacement switch, none the less. KUDOs to Acom USA.

6922. Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-04 06:16:35 UTC
From: Hans Remeeus
Topic: 6922 Message: 6922

Hello,

Since yesterday 00.00LT we are allowed to use the 60 Meter band, between 5.350 and 5.450 kHz.

My Acom 2000A won't work on those frequencies. Is there a modification available?

Tnx and 73, Hans.

--

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

6923. ACOM 2000 Fuse Holders

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-04 18:16:22 UTC
From: makidoja@...
Topic: 6923 Message: 6923

Hi all

Looking for a fuse holders for Acom 2000 .. we had one that the spring has become weak then heated.

Is it worth swapping out for 13A breakers?

Jim M0CKE

6924. Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-04 23:15:34 UTC
From: davenlr@...
Topic: 6922 Message: 6924

Ummm...

60m Power change: The effective radiated power limit in the 60 meter band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a half-wave dipole. That of course, if for the US. I do not know where to find the rules for other countries...

You would have to retap either the 80 or 40m bandswitch position on the coil to 60m location on the coil, or buy a new bandswitch with extra positions and run a new tap between 40 and 80 for it am thinking.

While I have not tried it, it is totally possible it might load up using the 40 or 80m bandswitch position. Worth a try.

6925. Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-05 12:38:39 UTC
From: pa3hgt@...
Topic: 6922 Message: 6925

Acom 2000 don't work between 4,9 Mc and 6 Mc . I did acqiure some info from Acom. Maybe a manual adjustment in the Acom 2k wil help ?
Maybe to select manual a band nearbij the 60 mtrs and manual tune with Acom 2000 ?
Just a thought..

A fellow amateur did hear an amateur on 60 with a Acom 1000 with the switch to 80 meters ....
If it's treu.. i do not know..

Hans,PA3HGT

6926. Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-05 13:40:27 UTC
From: pc2c@...
Topic: 6922 Message: 6926

I've just tried with my Acom 1000 .... and yes it works.

6927. Re: ACOM 2000 Fuse Holders

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-05 14:14:37 UTC
From: Skip Guenter
Topic: 6923 Message: 6927

Just as a side note... I had some arcing problems on the spring fuse end in the past using metric (6mm x 30mm as I recall) fuses in my 2014 A-1000 that were resolved by going back to US spec 1/4" x 1.25" (6.35mm x 31.75) fuses. This was a surprise to me and I now have a large excess of ceramic metrics ;-(

Maybe I'll swap the fuse sockets out someday.

--
S. R. 'Skip' Guenter, K5SRG
/
/

6928. Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-06 10:56:32 UTC
From: pa3hgt@...
Topic: 6922 Message: 6928

And what are the settings,Rene ? Bandswitch,load and tune ?

Thanks in advance !

Hans

6929. Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-06 11:04:31 UTC
From: pc2c@...
Topic: 6922 Message: 6929

I put the band switche at 3.5 MHz , Tune on 10 and Load on 30.
But remember: do not play with your license.

6930. Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-06 15:58:16 UTC
From: pa3hgt@...
Topic: 6922 Message: 6930

Ofcourse not , i was very curious . Tried the settings and i see no strange valeus about currents.

Thanks for info Rene !

Hans

6931. Acom 2000 VS Acom 2000P

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-06 22:59:37 UTC
From: martins160@...
Topic: 6931 Message: 6931

I saw these two version on the HRO site.
Anyone know what the differences are?

Martin ka7gkn

6932. Acom 1500 HV

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 04:09:35 UTC
From: lgwsaw@...
Topic: 6932 Message: 6932

Hello--- New to the group here.

I Just received my new Acom 1500 and am wondering what a normal high voltage runs for the CX1000 tube.
I and seeing about 2880 volts.
Thank you

Larry

6933. Re: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 06:06:00 UTC
From: Hans Remeeus
Topic: 6922 Message: 6933

Thanks Dave.

I will ask Acom which is the best way to handle.

Manual tuning did'nt work either Hans. Unfortunately. I have an Elecraft KX3 with 10 Watt output and wanted to use the Acom 2000A on 60 meters too. Never mind; Itry my Alpha 91b; perhaps this will tune on 60.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 5-12-2015 om 00:15 schreef davenlr@... [acom-list]:
>
>
> Ummm...
>
> 60m Power change: The effective radiated power limit in the 60 meter
> band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a
> half-wave dipole. That of course, if for the US. I do not know where
> to find the rules for other countries...
>
> You would have to retap either the 80 or 40m bandswitch position on
> the coil to 60m location on the coil, or buy a new bandswitch with
> extra positions and run a new tap between 40 and 80 for it am thinking.
>
> While I have not tried it, it is totally possible it might load up
> using the 40 or 80m bandswitch position. Worth a try.
>
>

6934. RE: [acom-list] Acom 2000 VS Acom 2000P

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 09:21:00 UTC
From: Máximo EA1DDO_HK1H
Topic: 6931 Message: 6934

Hi Martin,

I am not sure but I think is the commercial version. It will tune anywhere from 1 to 30 MHz.

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 6 Dec 2015 14:59:37 -0800
Subject: [acom-list] Acom 2000 VS Acom 2000P

I saw these two version on the HRO site.
Anyone know what the differences are?

Martin ka7gkn

6935. Re: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 10:18:29 UTC
From: Zoli Pitman HA1AG
Topic: 6922 Message: 6935

aha...
isn't the licensed power you are allowed to use on 60m 10W EiRP or so ?

Just askin'
Zoli HA1AG / PA1AG

From: "Hans Remeeus hans@remeeus.eu [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Monday, December 7, 2015 7:06 AM
Subject: Re: [acom-list] Re: Acom 2000A on 60 Meters

Thanks Dave.

I will ask Acom which is the best way to handle.

Manual tuning did'nt work either Hans. Unfortunately. I have an Elecraft KX3 with 10 Watt output and wanted to use the Acom 2000A on 60 meters too. Never mind; I try my Alpha 91b; perhaps this will tune on 60.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.
Op 5-12-2015 om 00:15 schreef davenlr@... [acom-list]:

Ummm...

60m Power change: The effective radiated power limit in the 60 meter band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a half-wave dipole. That of course, if for the US. I do not know where to find the rules for other countries...

 You would have to retap either the 80 or 40m bandswitch position on the coil to 60m location on the coil, or buy a new bandswitch with extra positions and run a new tap between 40 and 80 for it am thinking.

While I have not tried it, it is totally possible it might load up using the 40 or 80m bandswitch position. Worth a try.

6936. Acom 600S on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 10:22:40 UTC
From: joe_word@...
Topic: 6936 Message: 6936

After reading the 2000A on 60 meters thread, I tried my 600S on 60 meters. It works just fine in the 40 meter position. 5 watts in from my Flex 1500 gets 100 out of the 600S and it will automatically select 40 meters if I send a 5 watt carrier from 60 meters. I made about a 30 minute QSO and it worked perfectly.

Joe N9VX

6937. Re: Acom 1500 HV

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 11:59:18 UTC
From: Bob Olschwang
Topic: 6932 Message: 6937

That's the correct typical HV value on RX. With approx 70W drive, it will sag to the low 2,400V range.

Sent from my iPad

6938. Re: Acom 1500 HV

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 17:07:34 UTC
From: lgwsaw@...
Topic: 6932 Message: 6938

Ok thanks--- I have looked over the manual a few times and never seen any reference to what the HV should show.

Thanks,
Larry

6939. NEW ACOM 1500 (almost) - save $700+

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 17:23:52 UTC
From: edina.planner@...
Topic: 6939 Message: 6939

ACOM 1500 160-6 meters amplifier, S/N 140231. This unit has less than a dozen hours of operation; 10/10 physically and electrically. this unit is currently never turned on and used as a backup amplifier to my ACOM 2000, which just never fails. The true resistance indicator
(TRI) tuning aid is a visual indication for adjusting the controls and makes band hopping with the ACOM 1500 quick and easy. Three antenna output selections for multiple antenna installations. Uses a single, readily available, 4CX1000 tube.
So treat yourself to an early Christmas present for only $3295.00 and save over $700.00 including FREE shipping in original double boxed packing to your CONUS QTH. Read the review in June 2013 QST. I'll accept PayPal (preferred), USPS M.O., or your cleared personal check for $3295.00. No picture shown, as there are several on any of the authorized dealer sites for a NEW amplifier with the same or equal quality to this unit.

6940. Re: Acom 1500 HV

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-07 23:15:02 UTC
From: Robert Olschwang
Topic: 6932 Message: 6940

Larry (and any other 1500 owner):

Go to Yahoo Acom Group, and click on "FILES".
Go 18 items down to: "Acom1500_VFD-Measurand_Typical-Values.xls"

I think you'll find these numbers useful.

73, Bob K7JQ

6941. Re: Acom 1500 HV

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-08 02:55:45 UTC
From: lgwsaw@...
Topic: 6932 Message: 6941

Thanks----- I never new that even existed------ Thank You

73
Larry

6942. RE: [acom-list] Acom 2000 VS Acom 2000P

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-08 09:18:26 UTC
From: Bob Naumann
Topic: 6931 Message: 6942

The difference is continuous tuning *3* to 30 MHz.

You give up below 3 MHz to get all the “in between” frequencies.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 6 December, 2015 6:00 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000 VS Acom 2000P

I saw these two version on the HRO site.
Anyone know what the differences are?

Martin ka7gkn

6943. RE: [acom-list] Acom 2000 VS Acom 2000P

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-09 19:59:06 UTC
From: dlevy8787@...
Topic: 6931 Message: 6943

Hi Bob.

Any idea on when the 1200S will be introduced and the price? The posted price I have seen is about what the 600S retails for and that makes no sense to me, unless they are going to discontinue that amp, which I kind of doubt.

Regards,
Dave, w1wn

6944. Re: NEW ACOM 1500 (almost) - save $700+

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-10 16:19:45 UTC
From: schmiera@...
Topic: 6939 Message: 6944

I have a friend (W4IOP) who may be interested in your 1500. Do you have a call so he can contact you outside the group?
Rick
W4GE

6945. Re: [acom-list] Re: NEW ACOM 1500 (almost) - save $700+

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-10 16:53:18 UTC
From: Robert Dorchuck W6VY
Topic: 6939 Message: 6945

That 1500 has been listed on QTH.com and other sites for a while. All the info is there.Bob W6VY
From: "schmiera@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Thursday, December 10, 2015 8:19 AM
Subject: [acom-list] Re: NEW ACOM 1500 (almost) - save $700+

  I have a friend (W4IOP) who may be interested in your 1500. Do you have a call so he can contact you outside the group?
Rick
W4GE

6946. Re: [acom-list] Re: NEW ACOM 1500 (almost) - save $700+

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-10 17:00:49 UTC
From: Robert Dorchuck W6VY
Topic: 6939 Message: 6946

It has been removed from QTH. It is still on eHam:
 http://www.eham.net/classifieds/detail/485762
Sorry about that.
Bob W6VY

From: "schmiera@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Thursday, December 10, 2015 8:19 AM
Subject: [acom-list] Re: NEW ACOM 1500 (almost) - save $700+

  I have a friend (W4IOP) who may be interested in your 1500. Do you have a call so he can contact you outside the group?
Rick
W4GE

6947. Acom 2000A for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-10 20:23:31 UTC
From: dlevy8787@...
Topic: 1555 Message: 6947

I am selling my 1 year old Acom 2000A. In like new condition. I am downsizing and planning travel. If interested please contact me off the group. My email [thedxdogg@gmail.com] is good on qrz.com

Thanks.
Dave, w1wn

6948. Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-12 19:39:08 UTC
From: gw0etf@...
Topic: 6948 Message: 6948

Folks,

Where is the dust filter on the Acom 1K? The intake on the rear is an open wire grille but I presume there must be something to prevent dust getting into the tube deck and tube fins and which I should be attending to every now and then. Nothing mentioned in the manual and a bit surprised if I have to take off the covers to do basic housework.....

73,
Stew, GW0ETF/GW4J

6949. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-13 01:17:28 UTC
From: Gerald Wilson
Topic: 6948 Message: 6949

Stew GW0ETF/GW4J,

My ACOM 1000 is equipped with a metal screen with close or fine mesh.
It seems to work well.

I use what we in the States call a shop vac (vacuum) on it from time to
time. When I was last inside the amp, there was no accumulation of
dust. There are no fiber or paper filters inside the amplifier. The
metal screen is the only filter my amp has.

73,
Jerry K7VIT

On 12/12/2015 19:39, gw0etf@... [acom-list] wrote:
>
> Folks,
>
> Where is the dust filter on the Acom 1K? The intake on the rear is an
> open wire grille but I presume there must be something to prevent dust
> getting into the tube deck and tube fins and which I should be
> attending to every now and then. Nothing mentioned in the manual and a
> bit surprised if I have to take off the covers to do basic housework.....
>
> 73,
> Stew, GW0ETF/GW4J
>
>
>

6950. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-13 08:55:26 UTC
From: gw0etf@...
Topic: 6948 Message: 6950

Thanks Jerry..

Well like I say the grille on the intake of my amp is no more than a finger guard rather than a filter, and I assumed this was the norm as it's exactly the same as one of the photos on the http://www.hfpower.com/ http://www.hfpower.com/ web site.

Having said this there are no signs that the air flow is anything but normal. But looking inside the case of my tower pc got me wondering what happens to the dust getting inside the amp..

73,
Stew, GW0ETF

---In acom-list@yahoogroups.com, <gtwilson@...> wrote :

Stew GW0ETF/GW4J,

My ACOM 1000 is equipped with a metal screen with close or fine mesh. It seems to work well.

I use what we in the States call a shop vac (vacuum) on it from time to time. When I was last inside the amp, there was no accumulation of dust. There are no fiber or paper filters inside the amplifier. The metal screen is the only filter my amp has.

73,
Jerry K7VIT

On 12/12/2015 19:39, gw0etf@... mailto:gw0etf@... [acom-list] wrote:

Folks,

Where is the dust filter on the Acom 1K? The intake on the rear is an open wire grille but I presume there must be something to prevent dust getting into the tube deck and tube fins and which I should be attending to every now and then. Nothing mentioned in the manual and a bit surprised if I have to take off the covers to do basic housework.....

73,
Stew, GW0ETF/GW4J

6951. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-13 11:30:51 UTC
From: Mike Harris
Topic: 6948 Message: 6951

Hi Stew,

My A1000, 2006 vintage, has the same fine mesh metal filter as that mentioned by Jerry. I nearly made a big mistake by trying to remove it for cleaning. The nuts are NOT captive and as soon as I noticed it I was fortunately still able to tighten the screw down again. I would guess it will be the same for your finger guard.

Later I installed the the additional fan and to get to the nuts you have to remove the transformer, a pain to say the least for the lack of captive nuts. I fitted the finger guard on the inside of the cabinet (RF screening) and the fan on the outside with suitably short screws and then with similarly short screws fitted the mesh filter to the fan. Thus I am able to remove that mesh filter for cleaning if I wish without having to dismantle the amp. I didn't have a source for a suitable clip-on filter kit.

Acom say they didn't use captive nuts because anyone deciding to install the extra fan would have to source metric screws! A damn site easier and less hazardous than having to remove the transformer methinks.

Regards,

Mike VP8NO

On 13/12/2015 05:55, gw0etf@... [acom-list] wrote:
> Thanks Jerry..
>
> Well like I say the grille on the intake of my amp is no more than a finger guard rather than a filter, and I assumed this was the norm as it's exactly the same as one of the photos on the http://www.hfpower.com/ http://www.hfpower.com/ web site.
>
> Having said this there are no signs that the air flow is anything but normal. But looking inside the case of my tower pc got me wondering what happens to the dust getting inside the amp..
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> 73,
> Stew, GW0ETF
>
>
> ---In acom-list@yahoogroups.com, <gtwilson@...> wrote :
>
> Stew GW0ETF/GW4J,
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> My ACOM 1000 is equipped with a metal screen with close or fine mesh. It seems to work well.

>
> I use what we in the States call a shop vac (vacuum) on it from time to time. When I was last inside the amp, there was no accumulation of dust. There are no fiber or paper filters inside the amplifier. The metal screen is the only filter my amp has.
>
> 73,
> Jerry K7VIT
>
> On 12/12/2015 19:39, gw0etf@... mailto:gw0etf@... [acom-list] wrote:
>
> Folks,
>
> Where is the dust filter on the Acom 1K? The intake on the rear is an open wire grille but I presume there must be something to prevent dust getting into the tube deck and tube fins and which I should be attending to every now and then. Nothing mentioned in the manual and a bit surprised if I have to take off the covers to do basic housework.....
>
> 73,
> Stew, GW0ETF/GW4J
>
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6952. Acom 1010 issues

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-14 17:26:34 UTC
From: g3tkk
Topic: 6952 Message: 6952

Hello

Just a note to say my new (this summer) Acom 1010 failed in that I left it on but with the 'OPER' switch off on standby and had lunch. On returning the amp was dead. Return to seller and the fault was an overheated fuse inside which had degraded the fuse holder. Not good news, but it is back and working well. Just nervous as what happens next. No actual faults identified otherwise.

I would like some advice on how to use it with reference to the advice to leave it on standby rather than switching it off for short breaks. The manual says that too much turning on and off will shorten tube life.

How do users act on this? I am tending to leave it on standby for say a couple of hours when off doing something else but when I know I will be back in the shack again.

Is this the right way to operate the amp or is it safe to turn it off if only for say an hour and then on returning to the bands re-switching it on again? Not had this issue before.

73s

Peter G3TKK

6953. ACOM A600S Availability and Christmas Discount?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-14 22:20:24 UTC
From: k0bx@...
Topic: 6953 Message: 6953

I have been thinking of buying a A600S for Christmas. Checking around I see that Ham Radio Outlet had a $200. discount for this amp over Labor day. But for Black Friday, the only discounted all the other ACOM amps except the A600S. No discounts yet for Christmas.

Looking at HRO's website it looks like there only have one in stock at one of their stores. DX Engineering Website says in stock.

I am wondering if available is a problem?
I am also looking at the Elecraft KPA500. It is priced at $2299 VS $2794.95 for the A600S. I am just wondering if it is worth $495.95 more the the A600S.

Joe K0BX

6954. Re: [acom-list] ACOM A600S Availability and Christmas Discount?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-14 22:26:25 UTC
From: Logan Zintsmaster
Topic: 6953 Message: 6954

HRO maintains stock only in VA and ships as needed.

Logan, KZ6O

> On Dec 14, 2015, at 2:20 PM, k0bx@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I have been thinking of buying a A600S for Christmas. Checking around I see that Ham Radio Outlet had a $200. discount for this amp over Labor day. But for Black Friday, the only discounted all the other ACOM amps except the A600S. No discounts yet for Christmas.
>
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>
> Looking at HRO's website it looks like there only have one in stock at one of their stores. DX Engineering Website says in stock.
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> I am wondering if available is a problem?
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> I am also looking at the Elecraft KPA500. It is priced at $2299 VS $2794.95 for the A600S.
>
> I am just wondering if it is worth $495.95 more the the A600S.
>
>
>
> Joe K0BX
>
>
>
>

6955. Re: [acom-list] ACOM A600S Availability and Christmas Discount?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-14 22:27:50 UTC
From: K3BF@...
Topic: 6953 Message: 6955

Joe:

I've owned them both. I still own the KPA-500. More bang for the buck. The 600S is really nice and I had no trouble with it. I'm a big Acom fan. Own the 2000A. Owned the 1500, and the 1000.

Bruce K3BF

-----Original Message-----
From: k0bx@... [acom-list] <acom-list@yahoogroups.com>
To: acom-list <acom-list@yahoogroups.com>
Sent: Mon, Dec 14, 2015 4:20 pm
Subject: [acom-list] ACOM A600S Availability and Christmas Discount?

I have been thinking of buying a A600S for Christmas. Checking around I see that Ham Radio Outlet had a $200. discount for this amp over Labor day. But for Black Friday, the only discounted all the other ACOM amps except the A600S. No discounts yet for Christmas.

Looking at HRO's website it looks like there only have one in stock at one of their stores. DX Engineering Website says in stock.

I am wondering if available is a problem?
I am also looking at the Elecraft KPA500. It is priced at $2299 VS $2794.95 for the A600S. I am just wondering if it is worth $495.95 more the the A600S.

Joe K0BX

6956. Re: [acom-list] ACOM A600S Availability and Christmas Discount?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-14 22:29:38 UTC
From: Andre VanWyk
Topic: 6953 Message: 6956

Joe,

I cannot speak for the Elecraft as I don’t own one. I do own two A600’s amps and I am extremely happy with them. I took one to Africa in September and even with very fluctuating line voltages over there, the amp worked like a champ. It can handle fairly high VSWR too, plus no need to change taps internally to change from 110v to 220/240v. The amp is well protected too. Solid 600w with very low drive.

73’s
NJ0F

From: mailto:acom-list@yahoogroups.com
Sent: Monday, December 14, 2015 4:20 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM A600S Availability and Christmas Discount?

I have been thinking of buying a A600S for Christmas. Checking around I see that Ham Radio Outlet had a $200. discount for this amp over Labor day. But for Black Friday, the only discounted all the other ACOM amps except the A600S. No discounts yet for Christmas.

Looking at HRO's website it looks like there only have one in stock at one of their stores. DX Engineering Website says in stock.

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I am also looking at the Elecraft KPA500. It is priced at $2299 VS $2794.95 for the A600S.

I am just wondering if it is worth $495.95 more the the A600S.

Joe K0BX

6957. Re: [acom-list] ACOM A600S Availability and Christmas Discount?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-14 22:45:08 UTC
From: James Miller
Topic: 6953 Message: 6957

I have the 600s and am very pleased with it.

The one thing that I really like is that it follows my Icom on band changes either through the radio or MLDX with no problems without the gremlins reported by many about the Icom CIV buss. I monitor error rates through MLDX and error rate is always next to zero.

Don't know about the Elecraft but seems like a fine amp from reviews.

73
DU2UXJ

Sent from my iPad

> On Dec 14, 2015, at 4:29 PM, 'Andre VanWyk' kr5dx@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Joe,
>
> I cannot speak for the Elecraft as I don’t own one. I do own two A600’s amps and I am extremely happy with them. I took one to Africa in September and even with very fluctuating line voltages over there, the amp worked like a champ. It can handle fairly high VSWR too, plus no need to change taps internally to change from 110v to 220/240v. The amp is well protected too. Solid 600w with very low drive.
>
> 73’s
> NJ0F
>
>
> From: mailto:acom-list@yahoogroups.com
> Sent: Monday, December 14, 2015 4:20 PM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] ACOM A600S Availability and Christmas Discount?
>
>
> I have been thinking of buying a A600S for Christmas. Checking around I see that Ham Radio Outlet had a $200. discount for this amp over Labor day. But for Black Friday, the only discounted all the other ACOM amps except the A600S. No discounts yet for Christmas.
>
>
>
> Looking at HRO's website it looks like there only have one in stock at one of their stores. DX Engineering Website says in stock.
>
>
>
> I am wondering if available is a problem?

>
> I am also looking at the Elecraft KPA500. It is priced at $2299 VS $2794.95 for the A600S.
>
> I am just wondering if it is worth $495.95 more the the A600S.
>
>
>
> Joe K0BX
>
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>

6958. Re: [acom-list] ACOM A600S Availability and Christmas Discount?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-15 01:08:24 UTC
From: joeduerbusch
Topic: 6953 Message: 6958

Hi Bruce, I think I've worked you a time or two.
You said "More bang for the buck"? Did you mean the KPA500 or the A600S?

I have a Ten-Tec Centurion as my amp now. But I only run it at 600 or so watts living in a subdivision. I am tried of tuning up each time I switch bands.
I am using a Flex 6300 for my rig, and it would be nice to have a easy setup to use.

Joe K0BX

#1 Honor Roll Mixed
Honor Roll RTTY
5BDXCC Plus 30,17,12
5BWAS

Stop the insanity!
Please do not add me to any distribution lists (Joke, Stories or Junk) without my permission.

On Mon, Dec 14, 2015 at 10:27 PM, K3BF@...m [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Joe:
>
> I've owned them both. I still own the KPA-500. More bang for the buck.
> The 600S is really nice and I had no trouble with it. I'm a big Acom fan.
> Own the 2000A. Owned the 1500, and the 1000.
>
> Bruce K3BF
>
>
>
> -----Original Message-----
> From: k0bx@... [acom-list] <acom-list@yahoogroups.com>
> To: acom-list <acom-list@yahoogroups.com>
> Sent: Mon, Dec 14, 2015 4:20 pm
> Subject: [acom-list] ACOM A600S Availability and Christmas Discount?
>
>
> I have been thinking of buying a A600S for Christmas. Checking around I
> see that Ham Radio Outlet had a $200. discount for this amp over Labor
> day. But for Black Friday, the only discounted all the other ACOM amps
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> I am wondering if available is a problem?
> I am also looking at the Elecraft KPA500. It is priced at $2299 VS
> $2794.95 for the A600S.
> I am just wondering if it is worth $495.95 more the the A600S.
>
> Joe K0BX
>
>
>

6959. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-15 01:43:48 UTC
From: Gerald Wilson
Topic: 6948 Message: 6959

Stew, Mike, and all,

I will add one more strand to this thread.

My air intake filter has fine wire mesh that has openings of approximately 0.64 mm or 0.025 inch as measured with a wire gauge. My experience came after privately buying this used 1000 amp which needed a new GU-74b tube. (Thank you, Jay @ Array Solutions for your expert assistance and counsel.) When replacing the tube, I chose to add the auxiliary cooling fan because I do some RTTY contest operation; and I did not want to repeat the process.

Yes, the nuts holding the filter are not secured. As I recall, three (3) nuts are accessible with some care. The fourth is retrievable with a magnetic screwdriver; and I did not have to remove the transformer. Now, I chose to mount the auxiliary fan with 3 out of 4 screws and nuts. I believe I used some tape to hold the nut(s) in the more difficult location(s). That fourth location down behind the transformer ... I gave it a couple of attempts and then gave up. Yes, after three out of four. I cried, "Uncle." It was probably give up or remove the monster.

So how does it play? My ACOM 1000 does a great job on CW, SSB, and RTTY, and extremely quietly too. With 32 - 37 watts drive, my exciter makes much more fan noise than my ACOM 1000 with two (2) fans does. That is the honest truth.

I have seen posts here that have claimed to run 1000 watts on RTTY. I received some expert technical advice/assistance that included caution about running a full KW on RTTY for extended periods. The manual which came with my amp is not really crystal clear on the power rating issue. I have decided to exercise virtuous self restraint on that high duty cycle power issue. Maybe it's not so virtuous. It is more like selfish in that I don't want to have to buy and exchange a tube again or a transformer anytime soon. Perhaps I am over-cautious.

I hope these comments are helpful to the group. I am really enjoying this amp thus far.

Best wishes for a Merry Christmas
and 73,

Jerry K7VIT

On 12/13/2015 11:30, Mike Harris mike.harris@... [acom-list] wrote:

>
> Hi Stew,
>
> My A1000, 2006 vintage, has the same fine mesh metal filter as that
> mentioned by Jerry. I nearly made a big mistake by trying to remove it
> for cleaning. The nuts are NOT captive and as soon as I noticed it I was
> fortunately still able to tighten the screw down again. I would guess it
> will be the same for your finger guard.
>
> Later I installed the the additional fan and to get to the nuts you have
> to remove the transformer, a pain to say the least for the lack of
> captive nuts. I fitted the finger guard on the inside of the cabinet (RF
> screening) and the fan on the outside with suitably short screws and
> then with similarly short screws fitted the mesh filter to the fan. Thus
> I am able to remove that mesh filter for cleaning if I wish without
> having to dismantle the amp. I didn't have a source for a suitable
> clip-on filter kit.
>
> Acom say they didn't use captive nuts because anyone deciding to install
> the extra fan would have to source metric screws! A damn site easier and
> less hazardous than having to remove the transformer methinks.
>
> Regards,
>
> Mike VP8NO
>
> On 13/12/2015 05:55, gw0etf@... [acom-list] wrote:
> > Thanks Jerry..
> >
> > > Well like I say the grille on the intake of my amp is no more than a
> finger guard rather than a filter, and I assumed this was the norm as
> it's exactly the same as one of the photos on the
> http://www.hfpower.com/ http://www.hfpower.com/ web site.
> >
> > > Having said this there are no signs that the air flow is anything
> but normal. But looking inside the case of my tower pc got me
> wondering what happens to the dust getting inside the amp..
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> > > 73,
> > > Stew, GW0ETF
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> > > ---In acom-list@yahoogroups.com, <gtwilson@...> wrote :
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> > > Stew GW0ETF/GW4J,
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> > > My ACOM 1000 is equipped with a metal screen with close or fine
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> to time. When I was last inside the amp, there was no accumulation of
> dust. There are no fiber or paper filters inside the amplifier. The
> metal screen is the only filter my amp has.
> >
> > 73,
> > Jerry K7VIT
> >
> > On 12/12/2015 19:39, gw0etf@... mailto:gw0etf@... [acom-list] wrote:
> >
> > Folks,
> >
> > Where is the dust filter on the Acom 1K? The intake on the rear is
> an open wire grille but I presume there must be something to prevent
> dust getting into the tube deck and tube fins and which I should be
> attending to every now and then. Nothing mentioned in the manual and a
> bit surprised if I have to take off the covers to do basic housework.....
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> > 73,
> > Stew, GW0ETF/GW4J
> >
> >
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> >
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>

6960. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-15 21:33:53 UTC
From: Mike Harris
Topic: 6948 Message: 6960

Jerry,

I frequently do runs on RTTY and with the amp set for 6-700W indicated the air runs at 54-56C. I fitted the extra fan to aid cooling of the transformer but it also brought the air temp down about 8C which is a reasonable result.

I did some tests a while ago which indicated that the tube generated most heat in the 300-600W output range. I have used to amp at 900W indicated during lengthy 6m JT65 EME skeds without the blower needing to throttle up.

Regards,

Mike VP8NO

On 14/12/2015 22:43, Gerald Wilson gtwilson@... [acom-list] wrote:

> I have seen posts here that have claimed to run 1000 watts on RTTY. I
> received some expert technical advice/assistance that included caution
> about running a full KW on RTTY for extended periods. The manual which
> came with my amp is not really crystal clear on the power rating issue.
> I have decided to exercise virtuous self restraint on that high duty
> cycle power issue. Maybe it's not so virtuous. It is more like
> selfish in that I don't want to have to buy and exchange a tube again or
> a transformer anytime soon. Perhaps I am over-cautious.
>
> I hope these comments are helpful to the group. I am really enjoying
> this amp thus far.
>
> Best wishes for a Merry Christmas
> and 73,
>
> Jerry K7VIT

6961. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-15 23:14:07 UTC
From: Gerald Wilson
Topic: 6948 Message: 6961

Mike,
I have also run short periods at higher power for DX RTTY QSO exchanges, but a lot of my operation is in RTTY contests where I throttle back like you. I haven't tried any of the WSJT modes yet.

The person who provided that expert advice also said the 2nd fan, in addition to adding cooling efficiency to the path leading to the PA tube, also provides extra cooling for the transformer. I have never heard it get above baseline speed. It may have, but I haven't heard it. :-)

I have not inquired about the price of a transformer, but I have my suspicions.....

Again, I am really happy with this amp. Plus it's almost like video-games--I get to look at all those parameters to make sure everything going smoothly. Love it!
73,

Jerry K7VIT

On 12/15/2015 21:33, Mike Harris mike.harris@... [acom-list] wrote:
>
> Jerry,
>
> I frequently do runs on RTTY and with the amp set for 6-700W indicated
> the air runs at 54-56C. I fitted the extra fan to aid cooling of the
> transformer but it also brought the air temp down about 8C which is a
> reasonable result.
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> I did some tests a while ago which indicated that the tube generated
> most heat in the 300-600W output range. I have used to amp at 900W
> indicated during lengthy 6m JT65 EME skeds without the blower needing to
> throttle up.
>
> Regards,
>
> Mike VP8NO
>
> On 14/12/2015 22:43, Gerald Wilson gtwilson@... [acom-list] wrote:
>
> > I have seen posts here that have claimed to run 1000 watts on RTTY. I
> > received some expert technical advice/assistance that included caution
> > about running a full KW on RTTY for extended periods. The manual which

> > came with my amp is not really crystal clear on the power rating issue.
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> > cycle power issue. Maybe it's not so virtuous. It is more like
> > selfish in that I don't want to have to buy and exchange a tube again or
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> > I hope these comments are helpful to the group. I am really enjoying
> > this amp thus far.
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> > Best wishes for a Merry Christmas
> > and 73,
> >
> > Jerry K7VIT
>
>
> --
>

6962. Re: [acom-list] Acom 1000 dust filter?

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-16 13:20:13 UTC
From: Dean St. Hill
Topic: 6948 Message: 6962

Jerry

I have had the sad reality of a busted transformer. This was after nearly 10 years of operating under contest conditions. At the time I used a pair of these amps in a modest SO2R setup. The transformer is in the US$360 range and of course shipping is a whole 'nother matter. In the end it cost about US$500 inclusive of express shipping to 8P.

I rushed and sold the still operational unit and explored a number of options but in the end I will almost definitely go with another A1000 or maybe the A1500.

The A1500 transformer can also be used for the A1000 but it requires some modifications which seemed reasonably simple but which in the end I opted not to pursue. I think the main thing was that new holes would need to be drilled to facilitate slightly different spacing and if i remember a slight change in the wiring harness but i am speaking from my recollection of dozens of exchanged emails a few years ago. One of the voltages might also have been higher on the A1500 transformer and the ACOM techs had a simple solution for that. Anyway seemed reasonable easy but I ended up with the cheaper plug and play solution.

FWIW the transformer that failed had a fault in the HV circuit with some breakdown of the insulation within the transformer windings. Interestingly the external fan had been installed on both units.

Hope that gives some perspective.

Dean 8P6SH / 8P2K

Barbados.JustAskLocals.com
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246-416-5277
246-825-2039 (mobile)

sent from my BLU smartphone
On Dec 15, 2015 7:14 PM, "Gerald Wilson gtwilson@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Mike,
> I have also run short periods at higher power for DX RTTY QSO exchanges,
> but a lot of my operation is in RTTY contests where I throttle back like
> you. I haven't tried any of the WSJT modes yet.
>

> The person who provided that expert advice also said the 2nd fan, in
> addition to adding cooling efficiency to the path leading to the PA tube,
> also provides extra cooling for the transformer. I have never heard it get
> above baseline speed. It may have, but I haven't heard it. :-)
>
> I have not inquired about the price of a transformer, but I have my
> suspicions.....
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> Again, I am really happy with this amp. Plus it's almost like
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> going smoothly. Love it!
> 73,
>
> Jerry K7VIT
>
> ------------------------------
> On 12/15/2015 21:33, Mike Harris mike.harris@... [acom-list]
> wrote:
>
>
>
> Jerry,
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> I frequently do runs on RTTY and with the amp set for 6-700W indicated
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> Regards,
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> Mike VP8NO
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> On 14/12/2015 22:43, Gerald Wilson gtwilson@... [acom-list] wrote:
>
> > I have seen posts here that have claimed to run 1000 watts on RTTY. I
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> > I hope these comments are helpful to the group. I am really enjoying
> > this amp thus far.

> >
> > Best wishes for a Merry Christmas
> > and 73,
> >
> > Jerry K7VIT
> ------------------------------
>
>
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>

6963. Re: Acom 1010 issues

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-21 03:45:58 UTC
From: garfieldbill700@...
Topic: 6952 Message: 6963

Peter,

I think this failure you experienced was just a one-off fluke event. I use my Acom 1010 throughout the day literally every day, sometimes leaving it on for many hours. Other times I will turn it on and off 2 or 3 times a day, yet never a problem. Sounds like your power switch may have arced one time and then developed a carbon path that caused repeat failures..

My only issue is a lot of pet hair and dust collection under the tube socket and around the blower inlet. We have 2 dogs and 3 cats, all house pets. I cut some filter material to fit under the amp by the air inlet holes which seems to help a lot, but I still have to pull the cover and blow it out with compressed air about every 3 months, but operationally I have (so far) had no issues. I have had mine since last April (2015) so it's only 8 months old, but working perfectly.

To my knowledge there is no history of owner issues with the Acom 1010.

73 - Bill
WB9FOP

6964. Acom 1000 plate current

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-22 17:51:40 UTC
From: donrdlph@...
Topic: 6964 Message: 6964

Hello all,
I have an acom 1000 that is working fine but I noticed that when looking at the plate current on the display
It always shows the same plate current no matter where you put the tune or load controls.
It does change however with the amount of drive.
I also noticed that there is never any screen current indicated even if the tune and load controls are moved.
Is this a normal thing or is there a problem with the processor board?
All other reading work fine.
Thanks,
Don W9BHI

6965. Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 01:43:31 UTC
From: phil@...
Topic: 6965 Message: 6965

So ACOM 2000a has been working just fine. Then one day I start it up and after about 10 seconds the message "Microprocessor Conflict" comes on the screen.
What to do?
73,
Phil K3TUF

6966. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 02:54:39 UTC
From: K0DAN
Topic: 6965 Message: 6966

If you GOOGLE “ acom microprocessor conflict” you will find several possibilities, as well as in the archives of this list.
73
dan
k0dan
From: mailto:acom-list@yahoogroups.com
Sent: December 29, 2015 19:43
To: acom-list@yahoogroups.com
Subject: [acom-list] Microprocessor Conflict

So ACOM 2000a has been working just fine. Then one day I start it up and after about 10 seconds the message "Microprocessor Conflict" comes on the screen.

What to do?

73,

Phil K3TUF

6967. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 12:59:27 UTC
From: Steve Tripp (K1IIG)
Topic: 6965 Message: 6967

I am amazed that K3TUF who is a big guru on UHF and has a huge remote station at his site. He also is a beta tester for Flex and lectures on it at various conventions.

st

If you GOOGLE “
acom microprocessor conflict” you will find several possibilities, as well as in the archives of this list.

73
dan
k0dan

From: mailto:acom-list@yahoogroups.com
Sent: December 29, 2015 19:43
To: acom-list@yahoogroups.com
Subject: [acom-list] Microprocessor Conflict

So ACOM 2000a has been working just fine. Then one day I start it up and after about 10 seconds the message "Microprocessor Conflict" comes on the screen.

What to do?

73,

Phil K3TUF

6968. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 14:30:08 UTC
From: phil@...
Topic: 6965 Message: 6968

Thanks Dan, that is what I did first, but it yielded limited results. Was looking for a deeper answer that may come from the elusive "Technical Supplement" that no one seems to be able to produce.
73,
Phil

6969. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 14:34:02 UTC
From: Dave
Topic: 6965 Message: 6969

Phil

Does it have the old or new remote control unit?

Dave wo2x

Sent from my waxed string and tin cans.

> On Dec 30, 2015, at 9:30 AM, phil@k3tuf.com [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Thanks Dan, that is what I did first, but it yielded limited results.
>
> Was looking for a deeper answer that may come from the elusive "Technical Supplement" that no one seems to be able to produce.
> 73,
> Phil
>

6970. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 15:17:43 UTC
From: phil@...
Topic: 6965 Message: 6970

Original control unit

6971. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 15:56:59 UTC
From: Dave
Topic: 6965 Message: 6971

Phil

I have an extra original control unit I can send it to you to test if you like.

I do remember someone mentioning to reseat IC chips in the RCU to resolve a problem.

Let me know. I am good on QRZ

Dave wo2x

Sent from my waxed string and tin cans.

> On Dec 30, 2015, at 10:17 AM, phil@k3tuf.com [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Original control unit
>
>

6972. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 16:53:22 UTC
From: phil@...
Topic: 6965 Message: 6972

Thanks Dave, will do 73, Phil

6973. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-30 17:43:22 UTC
From: K0DAN
Topic: 6965 Message: 6973

When I had my uP Conflict problem (2014) I jumped thru a lot of hoops and eventually was in contact with Val in Bulgaria, he had me check fuses, interconnects, interlock switches, be sure cover compressed the interlock switch, etc., etc. What I think worked was changing 6 caps (3 on RCU, 3 on CPU)*, also button battery on CPU.

* CPU: C4, C6, C7
RCU: C23, C14, C15

I do not have an electronic copy of our correspondence, but do have hardcopy in my ACOM file, could FAX to you if you need it.

GL es 73

dan
k0dan

From: mailto:acom-list@yahoogroups.com
Sent: December 30, 2015 08:30
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Microprocessor Conflict

Thanks Dan, that is what I did first, but it yielded limited results.
Was looking for a deeper answer that may come from the elusive "Technical Supplement" that no one seems to be able to produce.
73,
Phil

6974. Re: [acom-list] Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-31 03:56:00 UTC
From: phil@...
Topic: 6965 Message: 6974

Dan, Thank you, that would be very helpful to have what I need to do to fix this. Phil

6975. Re: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-31 06:59:53 UTC
From: Hans Remeeus
Topic: 6922 Message: 6975

Hello Zoli,

It is 100 Watt output what we are allowed to use in Netherlands.

My KX3 has 10 Watt output and I wanted to use my Acom 2000A for it.
Unfortunately it does not work on 60 meters.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-12-2015 om 11:18 schreef Zoli Pitman HA1AG ha1ag@... [acom-list]:
>
>
> aha...
>
> isn't the licensed power you are allowed to use on 60m 10W EiRP or so ?
>
>
> Just askin'
>
> Zoli HA1AG / PA1AG
>
>
>
> ---
> *From:* "Hans Remeeus hans@... [acom-list]"
> <acom-list@yahoogroups.com>
> *To:* acom-list@yahoogroups.com
> *Sent:* Monday, December 7, 2015 7:06 AM
> *Subject:* Re: [acom-list] Re: Acom 2000A on 60 Meters
>
>
> Thanks Dave.
>
> I will ask Acom which is the best way to handle.
>
> Manual tuning did'nt work either Hans. Unfortunately. I have an
> Elecraft KX3 with 10 Watt output and wanted to use the Acom 2000A on
> 60 meters too. Never mind; Itry my Alpha 91b; perhaps this will tune
> on 60.
>

> 73, Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu <http://www.remeeus.eu/>
> http://www.hansremeeus.nl <http://www.hansremeeus.nl/>
> Communication is about people, the rest is technology.
> Op 5-12-2015 om 00:15 schreef davenlr@...
> <mailto:davenlr@...> [acom-list]:
>
>
>> Ummm...
>>
>> 60m Power change: The effective radiated power limit in the 60 meter
>> band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a
>> half-wave dipole. That of course, if for the US. I do not know
>> where to find the rules for other countries...
>>
>> You would have to retap either the 80 or 40m bandswitch position on
>> the coil to 60m location on the coil, or buy a new bandswitch with
>> extra positions and run a new tap between 40 and 80 for it am thinking.
>>
>> While I have not tried it, it is totally possible it might load up
>> using the 40 or 80m bandswitch position. Worth a try.
>
>
>
>
>
>

6976. RE: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-31 09:22:22 UTC
From: Máximo EA1DDO_HK1H
Topic: 6922 Message: 6976

Hi Hans,

I guess the Acom 2000P will do the job.
I wonder what is the internal difference? Just firmware?

Can we convert a 2000A into a 2000P just flashing the firmware??

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 31 Dec 2015 07:59:53 +0100
Subject: Re: [acom-list] Re: Acom 2000A on 60 Meters

Hello Zoli,

It is 100 Watt output what we are allowed to use in Netherlands.

My KX3 has 10 Watt output and I wanted to use my Acom 2000A for
it. Unfortunately it does not work on 60 meters.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 7-12-2015 om 11:18 schreef Zoli
Pitman HA1AG ha1ag@... [acom-list]:

aha...

isn't the
licensed power you are allowed to use on 60m 10W EiRP or so ?

Just askin'

Zoli HA1AG
/ PA1AG

From: "Hans
Remeeus hans@remeeus.eu [acom-list]"
<acom-list@yahoogroups.com>

To:
acom-list@yahoogroups.com

Sent:
Monday, December 7, 2015 7:06 AM

Subject:
Re: [acom-list] Re: Acom 2000A on 60 Meters

Thanks Dave.

I will ask Acom which is the best way to
handle.

Manual tuning did'nt work either Hans.
Unfortunately. I have an Elecraft KX3 with
10 Watt output and wanted to use the Acom
2000A on 60 meters too. Never mind; I try my
Alpha 91b; perhaps this will tune on 60.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op
5-12-2015 om 00:15 schreef davenlr@...
[acom-list]:

Ummm...

60m Power change: The effective radiated
power limit in the 60 meter band is raised
by 3 dB, from 50 W PEP to 100 W PEP,
relative to a half-wave dipole. That of
course, if for the US. I do not know where
to find the rules for other countries...

You would have to retap either the 80 or
40m bandswitch position on the coil to 60m
location on the coil, or buy a new
bandswitch with extra positions and run a
new tap between 40 and 80 for it am
thinking.

While I have not tried it, it is totally
possible it might load up using the 40 or
80m bandswitch position. Worth a try.

Este correo electrónico se ha enviado desde un equipo libre de virus y protegido por Avast.
www.avast.com

6977. RE: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2015-12-31 17:43:39 UTC
From: pa3hgt@...
Topic: 6922 Message: 6977

Ask Acom and you will know it.

Hans

6978. Dial position when LOAD Capacitor is fully-meshed?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-01 10:43:36 UTC
From: d48806@...
Topic: 6978 Message: 6978

If any of you Acom 1000 folks currently have your amp cover off, can you tell me the following: When the LOAD capacitor is fully-meshed (max capacitance), is the front-panel dial at 0 (min) or 100 (max) on the UPPER scale?

I keep getting conflicting reports on this. My amp is very difficult to remove from it's resting/operating spot!!

Mucho TNX !!

6979. 1010 Blown Fuses

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-01 16:57:52 UTC
From: evetsmd@...
Topic: 6979 Message: 6979

Really got my attention (big noise) when an 8 day old 1010 blew both primary line fuses.....one of the fuses just shattered and the only thing left was the end caps and a charred fuse holder, the other fuse blew but held together....the 1010 was in stdby and all this happened when I turned off the front panel power switch....

looking thru the topics, I see a number of other folks have had a similar problem and have pointed to a defective switch.

HRO is helping me work thru this issue but I have to say this it not a good first purchase acom experience.

I've been looking at the 1000, there is a big difference in fuse holders, power cord and what looks to be a more substantial power switch.

Anyone have experience or advise about this problem....I'd appreciate hearing from you!

73
Steve
K3WKM

6980. Re: 1010 Blown Fuses

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-01 17:25:46 UTC
From: d48806
Topic: 6979 Message: 6980

Make sure the dealer installed the correct line fuse, depending on what voltage your amp was set-up for. My A1000 had the wrong size fuse installed by the dealer, a 10amp instead of a 20amp (mine was prewired for 120VAC, not 240VAC). Took mine about a week to blow after I started using it (low duty-cycle on SSB?).

6981. Tune_Load Caps

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-01 23:46:48 UTC
From: Mike Harris
Topic: 6964 Message: 6981

Extract from Acom doc re removal and replacement of the A1000 front panel:

<quote>
a) Set two variable air capacitors to maximum capacitance (closed).
Align the rotor- and stator- plates edges evenly in a plane. Thread one
knob on the upper shaft (TUNE). Orient the knob mark to point to "100"
on the scale. Holding the knob with one hand, tighten its nut properly
(take care not to turn the shaft meanwhile). Then check that the maximum
(closed) position is indicated by a "100" on the scale. Put the black
plastic cap and press it gently until it locks. Repeat the procedure for
the bottom knob (TUNE).
<unquote>

This is what I did when I replaced the LCD and the previously recorded
Band/Tune/Load settings matched.

Regards,

Mike VP8NO

6982. Re: Tune_Load Caps, A1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-02 12:31:51 UTC
From: d48806
Topic: 6982 Message: 6982

This procedure might be incorrect, since the LOAD and TUNE caps are supposedly 180-degrees different from each other (from what Array Solutions has told me). This procedure says the two are the same. So, something is amiss somewhere!!

I have been told that the max-capacitance (fully-meshed) on the LOAD capacitor is with the pointer at MIN (zero) on the UPPER scale. And that the TUNE capacitor is just the opposite. Trying to verify that !!

6983. Re: [acom-list] Re: Tune_Load Caps, A1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-02 13:21:45 UTC
From: Mike Harris
Topic: 6982 Message: 6983

In truth it doesn't really matter what the relationship is between the actual caps and the numbers around the knobs. The only thing that will not agree is the typical tuning preset settings in the handbook, you will have to determine your own which isn't difficult with the TRI system.

All I can say is that my actual settings agree more or less with the info in the handbook. They did before I dismounted the front panel and they did after I remounted it with the caps/knobs set as per the Acom instruction.

The choice is entirely yours as to how you set it up, Acom standard, Array Solutions standard or whoever you are standard d48806.

Regards,

Mike VP8NO

On 02/01/2016 09:31, 'd48806' d48806@... [acom-list] wrote:
> This procedure might be incorrect, since the LOAD and TUNE caps are
> supposedly 180-degrees different from each other (from what Array Solutions
> has told me). This procedure says the two are the same. So, something is
> amiss somewhere!!
>
> I have been told that the max-capacitance (fully-meshed) on the LOAD
> capacitor is with the pointer at MIN (zero) on the UPPER scale. And that
> the TUNE capacitor is just the opposite. Trying to verify that !!
>

6984. RE: [acom-list] Re: Tune_Load Caps, A1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-02 14:24:24 UTC
From: d48806
Topic: 6982 Message: 6984

I am doing some things with my amp that don't utilize the TRI, so I need to know if I'm over or under-coupling with the loading cap.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, January 02, 2016 6:22 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: Tune_Load Caps, A1000

In truth it doesn't really matter what the relationship is between the actual caps and the numbers around the knobs. The only thing that will not agree is the typical tuning preset settings in the handbook, you will have to determine your own which isn't difficult with the TRI system.

All I can say is that my actual settings agree more or less with the info in the handbook. They did before I dismounted the front panel and they did after I remounted it with the caps/knobs set as per the Acom instruction.

The choice is entirely yours as to how you set it up, Acom standard, Array Solutions standard or whoever you are standard d48806.

Regards,

Mike VP8NO

On 02/01/2016 09:31, 'd48806' d48806@... [acom-list]
wrote:
> This procedure might be incorrect, since the LOAD and TUNE caps are
> supposedly 180-degrees different from each other (from what Array
Solutions
> has told me). This procedure says the two are the same. So, something is
> amiss somewhere!!
>
> I have been told that the max-capacitance (fully-meshed) on the LOAD
> capacitor is with the pointer at MIN (zero) on the UPPER scale. And that
> the TUNE capacitor is just the opposite. Trying to verify that !!
>

Yahoo Groups Links

6985. Cabinet Feet on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-03 10:55:56 UTC
From: evetsmd@...
Topic: 6985 Message: 6985

Has anyone removed the feet from an Acom 1000....I have a space/shelf that is only 7.5" high and I would like to slide the amp into it! The specs say it's 7.2" high but a friend has measured his and say's it 8.5" high so I'm assuming 7.2" is without the feet..... Tube ventilation will be OK! I'm waiting delivery so just trying to prepare ahead of time.

What I'd like to avoid is unscrewing the feet and then having nuts loose and bouncing around inside the cabinet.

Thanks

Steve

6986. Re: [acom-list] Cabinet Feet on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-03 12:13:25 UTC
From: Mike Harris
Topic: 6985 Message: 6986

Interesting, I've just measured my A1000 and it is 7.6" (19.3cm) including feet. There are some pretty chunky screw heads projecting below the cabinet base (transformer fixings) so removing the feet does not result in a flat surface. I would offer that tube ventilation will NOT be OK assuming I am reading your desire to slide the amp into a shelf space, the hot air exits from the top of the amp and there is a lot of it. Heat kills electronics.

Regards,

Mike VP8NO

On 03/01/2016 07:55, evetsmd@... [acom-list] wrote:
> Has anyone removed the feet from an Acom 1000....I have a space/shelf that is only 7.5" high and I would like to slide the amp into it! The specs say it's 7.2" high but a friend has measured his and say's it 8.5" high so I'm assuming 7.2" is without the feet.....
> Tube ventilation will be OK! I'm waiting delivery so just trying to prepare ahead of time.
>
>
> What I'd like to avoid is unscrewing the feet and then having nuts loose and bouncing around inside the cabinet.
>
>
> Thanks
>
>
> Steve
>

6987. Re: [acom-list] Cabinet Feet on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-03 14:41:00 UTC
From: evetsmd@...
Topic: 6985 Message: 6987

Hi Mike...thanks for the info...ur absolutely right about the heat but my plan is to drill a 4 inch hole in the shelf just above the tube/chimmney.......this way I won't be blocking air flow......having said that
I still have a problem because it sounds like the feet need to stay on......u can see what I'm trying to do
on qrz.com (K3WKM).......the amp, I hope can be slide into the spot occupied by the K3......
looks like I should be patient, what for the amp to show up and then I can see what can work...

73 Steve

6988. Re: [acom-list] Cabinet Feet on Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-03 15:15:34 UTC
From: Mike Harris
Topic: 6985 Message: 6988

Hi Steve,

Good idea to wait. The A1000 is a large beast, takes you by surprise.

Regards,

Mike VP8NO

On 03/01/2016 11:41, evetsmd@... [acom-list] wrote:
> Hi Mike...thanks for the info...ur absolutely right about the heat but my plan is to drill a 4 inch hole in the shelf just above the tube/chimmney.......this way I won't be blocking air flow......having said that
> I still have a problem because it sounds like the feet need to stay on......u can see what I'm trying to do
> on qrz.com (K3WKM).......the amp, I hope can be slide into the spot occupied by the K3......
> looks like I should be patient, what for the amp to show up and then I can see what can work...
>
>
> 73 Steve
>

6989. Acom 2000a Band Segment Tuning Chart

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-03 17:05:07 UTC
From: lkellar@...
Topic: 6989 Message: 6989

I am having trouble finding the band segment tuning chart that tells you at what frequencies to run the auto tune setup procedure at. I remember having a chart but i can no longer find it. Any help would be appreciated. BTW i have an old RCU if it makes a difference

Thanks

Lawrence
KB5ZZB

6990. RE: [acom-list] Acom 2000a Band Segment Tuning Chart

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-03 18:07:48 UTC
From: Bill Hider
Topic: 6989 Message: 6990

Lawrence,

It should not make any difference what RCU you have.
I auto tune my 2000As to the center frequency of each ACOM band segment.
If you need to know those segment boundaries, just download the 2000a manual from the Acom website.

73,
Bill N3RR

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Sunday, January 03, 2016 12:05 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Acom 2000a Band Segment Tuning Chart

I am having trouble finding the band segment tuning chart that tells you at what frequencies to run the auto tune setup procedure at. I remember having a chart but i can no longer find it. Any help would be appreciated. BTW i have an old RCU if it makes a difference

Thanks

Lawrence
KB5ZZB

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2016.0.7294 / Virus Database: 4489/11311 - Release Date: 01/02/16

6991. RE: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-04 06:31:55 UTC
From: Bob Naumann
Topic: 6922 Message: 6991

No.

The 2000P only works 3MHz to 30 MHz

Different hardware ☐ no 160m.

73,

Bob W5OV

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 31 December, 2015 4:22 AM
To: acom-list@...m
Subject: RE: [acom-list] Re: Acom 2000A on 60 Meters

Hi Hans,

I guess the Acom 2000P will do the job.
I wonder what is the internal difference? Just firmware?

Can we convert a 2000A into a 2000P just flashing the firmware??

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 31 Dec 2015 07:59:53 +0100
Subject: Re: [acom-list] Re: Acom 2000A on 60 Meters

Hello Zoli,

It is 100 Watt output what we are allowed to use in Netherlands.

My KX3 has 10 Watt output and I wanted to use my Acom 2000A for it.
Unfortunately it does not work on 60 meters.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
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Communication is about people, the rest is technology.
Op 7-12-2015 om 11:18 schreef Zoli Pitman HA1AG ha1ag@... [acom-list]:
aha...

isn't the licensed power you are allowed to use on 60m 10W EiRP or so ?

Just askin'

Zoli HA1AG / PA1AG

From: "Hans Remeeus hans@... [acom-list]"
<mailto:acom-list@yahoogroups.com> <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Monday, December 7, 2015 7:06 AM
Subject: Re: [acom-list] Re: Acom 2000A on 60 Meters

Thanks Dave.

I will ask Acom which is the best way to handle.

Manual tuning did'nt work either Hans. Unfortunately. I have an Elecraft KX3 with 10 Watt output and wanted to use the Acom 2000A on 60 meters too. Never mind; I try my Alpha 91b; perhaps this will tune on 60.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu <http://www.remeeus.eu/>
http://www.hansremeeus.nl <http://www.hansremeeus.nl/>
Communication is about people, the rest is technology.
Op 5-12-2015 om 00:15 schreef davenlr@... [acom-list]:

Ummm...

60m Power change: The effective radiated power limit in the 60 meter band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a half-wave dipole. That of course, if for the US. I do not know where to find the rules for other countries...

You would have to retap either the 80 or 40m bandswitch position on the coil to 60m location on the coil, or buy a new bandswitch with extra positions and run a new tap between 40 and 80 for it am thinking.

While I have not tried it, it is totally possible it might load up using the 40 or 80m bandswitch position. Worth a try.

<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail>
Este correo electrónico se ha enviado desde un equipo libre de virus y protegido por Avast.

<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail> www.avast.com

6992. RE: [acom-list] Re: Acom 2000A on 60 Meters

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-04 08:39:06 UTC
From: Máximo EA1DDO_HK1H
Topic: 6922 Message: 6992

Hi Bob,

Well, you loose 160m but you get 60m, plus any other freq in between 3 and 30 MHz.

A request/wish for future upgrades (on 2000P), to cover from 1.5 to 30 MHz ;-)

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 4 Jan 2016 01:31:55 -0500
Subject: RE: [acom-list] Re: Acom 2000A on 60 Meters

No. The 2000P only works 3MHz to 30 MHz Different hardware – no 160m. 73, Bob W5OV From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 31 December, 2015 4:22 AM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: Acom 2000A on 60 Meters

Hi Hans,

I guess the Acom 2000P will do the job.
I wonder what is the internal difference? Just firmware?

Can we convert a 2000A into a 2000P just flashing the firmware??

73, Maximo - EA1DDO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 31 Dec 2015 07:59:53 +0100
Subject: Re: [acom-list] Re: Acom 2000A on 60 Meters

Hello Zoli,

It is 100 Watt output what we are allowed to use in Netherlands.

My KX3 has 10 Watt output and I wanted to use my Acom 2000A for it. Unfortunately it does not work on 60 meters.

73, Hans.

Vriendelijke groeten,Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nlCommunication is about people, the rest is technology. Op 7-12-2015 om 11:18 schreef Zoli Pitman HA1AG ha1ag@... [acom-list]:aha... isn't the licensed power you are allowed to use on 60m 10W EiRP or so ? Just askin' Zoli HA1AG / PA1AG From: "Hans Remeeus hans@remeeus.eu [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com

Sent: Monday, December 7, 2015 7:06 AM
Subject: Re: [acom-list] Re: Acom 2000A on 60 Meters
Thanks Dave.

I will ask Acom which is the best way to handle.

Manual tuning did'nt work either Hans. Unfortunately. I have an Elecraft KX3 with 10 Watt output and wanted to use the Acom 2000A on 60 meters too. Never mind; I try my Alpha 91b; perhaps this will tune on 60.

73, Hans.

Vriendelijke groeten,Hans Remeeus (PA1HR/OE3JRC)http://www.remeeus.euhttp://www.hansremeeus.nlCommunication is about people, the rest is technology. Op 5-12-2015 om 00:15 schreef davenlr@... [acom-list]: Ummm...

60m Power change: The effective radiated power limit in the 60 meter band is raised by 3 dB, from 50 W PEP to 100 W PEP, relative to a half-wave dipole. That of course, if for the US. I do not know where to find the rules for other countries...

You would have to retap either the 80 or 40m bandswitch position on the coil to 60m location on the coil, or buy a new bandswitch with extra positions and run a new tap between 40 and 80 for it am thinking.

While I have not tried it, it is totally possible it might load up using the 40 or 80m bandswitch position. Worth a try. Este correo electrónico se ha enviado desde un equipo libre de virus y protegido por Avast.
www.avast.com

6993. Acom 2000A Microprocessor Conflict

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-04 15:23:59 UTC
From: phil@...
Topic: 6965 Message: 6993

Here's the latest: Dave was nice to loan me an RCU and the result is the same. This means that the origin of my "Microprocessor Conflict" error is not within the RCU.
I will proceed to tear apart the main unit to see what may need attention.
Wonder if any authority can weigh in here...
73,
Phil K3TUF

6996. C to F

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-16 17:26:09 UTC
From: n5ifh@...
Topic: 6996 Message: 6996

Greetings...I may have overlooked it but is there a setting that I can change to change Celsius to Fahrenheit
on the ACOM 2000A? Thanks.

Roger/N5IFH

6997. ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-16 17:34:41 UTC
From: Jose V. Gavila
Topic: 6997 Message: 6997

Hi all,

I am working on a faulty ACOM 1000 which blows both rear panel fuses when going from STAND-BY to OPERATE.

There are 7 signatures stored. The 1 to 6 are all of the same kind, during STAND-BY (SB type), as this one:

1ASB2B 000000 000000 1BB494 0320DE D77FF8

THe sheet shows 'During StandBy ORC'

The 7 is entering operation and, even if the Excel sheet reports a 'REFILL' error, it seems to be ipm related. The full signature is:

7APR06 000000 00003D 7B249F 6720DE D77FFE

(I have got other similar signatures on that position and always generate the REFILL error)

That shows an ipm of 305mA and the red words shown on the Excel sheet are "Entening operate ipm'

I have already blown two sets of fuses and the error codes are always similar.

So, could you give me some advice regarding the possible faulty components?. Tube, HV cap, ??? ?

Thanks and best regards,

Jose

--
73 EB5AGV - JOSE V. GAVILA - La Canyada - Valencia (SPAIN)
http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

6998. Acom 2000A RCU. New

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-16 23:15:43 UTC
From: dlevy8787@...
Topic: 6998 Message: 6998

I have a new style Remote Control Unit that is new, that is not needed. If you can use it, please email me off the reflector. My email address is good on qrz.com.

Dave, w1wn

6999. Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 07:43:46 UTC
From: on4ct@...
Topic: 6997 Message: 6999

Dear Jose

As I understand the rear fuses are blowing when the amp goes in operate mode after warming up.

Then you can suspect two things:
a: the screen supply : short circuit on a board e.g. the screen supply
b : the tube : there can be internal short between kathode and screen, or screen-anode short

does it happens without a tube in the socket ?

73

Dirk
on4ct

7000. Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 09:55:16 UTC
From: Jose V. Gavila
Topic: 6997 Message: 7000

Dear Dirk,

Well, exactly what happens is that the amplifier ends the warm up period properly but then, when you press the OPER button, it immediately blows the fuses.

I have not yet opened the amplifier, so it happens with the tube on its socket.

Regards,

Jose

El 17/01/2016 a las 8:43, on4ct@... [acom-list] escribió:
>
>
> Dear Jose
>
> As I understand the rear fuses are blowing when the amp goes in operate
> mode after warming up.
>
> Then you can suspect two things:
> a: the screen supply : short circuit on a board e.g. the screen supply
> b : the tube : there can be internal short between kathode and
> screen, or screen-anode short
>
> does it happens without a tube in the socket ?
>
> 73
>
> Dirk
> on4ct

--
73 EB5AGV - JOSE V. GAVILA - La Canyada - Valencia (SPAIN)
http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

7001. Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 10:10:09 UTC
From: Fernando González, EC1CT
Topic: 6997 Message: 7001

Hola Jose,
It could be a deffective shorted tube...I would try with another one before going any further.
Good luck and best 73
Fernando EC1CT – KD0IGJ
ec1ct@...

From: mailto:acom-list@yahoogroups.com
Sent: Sunday, January 17, 2016 10:55 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Dear Dirk,

Well, exactly what happens is that the amplifier ends the warm up period properly but then, when you press the OPER button, it immediately blows the fuses.

I have not yet opened the amplifier, so it happens with the tube on its socket.

Regards,

Jose

El 17/01/2016 a las 8:43, on4ct@yahoo.com [acom-list] escribió:
>
>
> Dear Jose
>
> As I understand the rear fuses are blowing when the amp goes in operate
> mode after warming up.
>
> Then you can suspect two things:
> a: the screen supply : short circuit on a board e.g. the screen supply
> b : the tube : there can be internal short between kathode and
> screen, or screen-anode short
>
> does it happens without a tube in the socket ?
>
> 73
>
> Dirk
> on4ct

--
73 EB5AGV - JOSE V. GAVILA - La Canyada - Valencia (SPAIN)

http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2016.0.7303 / Base de datos de virus: 4489/11420 - Fecha de publicación: 01/17/16

7002. Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 18:02:13 UTC
From: Jose V. Gavila
Topic: 6997 Message: 7002

Hi all,

Thanks for your comments.

Well, I have opened the amplifier and taken the tube out. I don't have an spare tube right now but, powering it up without the tube (but with the covers on, of course) the fuses don't blow when OPER button is pressed after the warm-up period.

So, yes, it seems the tube is shorted!

Now the obvious question... where would you source a new tube?. Is it better to get it from ACOM?

Thanks and best regards,

Jose

El 17/01/2016 a las 11:10, Fernando González, EC1CT ec1ct@... [acom-list] escribió:
>
>
> Hola Jose,
> It could be a deffective shorted tube...I would try with another one
> before going any further.
> Good luck and best 73
> Fernando EC1CT – KD0IGJ
> ec1ct@... <mailto:ec1ct@...>
>
>
> *From:* mailto:acom-list@yahoogroups.com
> *Sent:* Sunday, January 17, 2016 10:55 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE
>
>
>
> Dear Dirk,
>
> Well, exactly what happens is that the amplifier ends the warm up period
> properly but then, when you press the OPER button, it immediately blows
> the fuses.
>
> I have not yet opened the amplifier, so it happens with the tube on its
> socket.
>
> Regards,

>
> Jose
>
> El 17/01/2016 a las 8:43, on4ct@... [acom-list] escribió:
>>
>>
>> Dear Jose
>>
>> As I understand the rear fuses are blowing when the amp goes in operate
>> mode after warming up.
>>
>> Then you can suspect two things:
>> a: the screen supply : short circuit on a board e.g. the screen supply
>> b : the tube : there can be internal short between kathode and
>> screen, or screen-anode short
>>
>> does it happens without a tube in the socket ?
>>
>> 73
>>
>> Dirk
>> on4ct

--
73 EB5AGV - JOSE V. GAVILA - La Canyada - Valencia (SPAIN)
http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

7003. Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 18:03:44 UTC
From: on4ct@...
Topic: 6997 Message: 7003

Jose

I would try it with no tube in the socket and see what happens. Take care that the anode clip make no shorts or disconnect the wire to the anode clip at the hv board.
If the fuses does not blow then the tube is the cause.
Attention: lethal voltage inside !!

You can check a faulty tube with an ohm meter for shorts. But most of the shorts happens only when the tube is warm, then the hot kathode is bending due to thermal deformation towards the screen or the screen to the anode.

I you are able to put the kathode voltage abt 12.5 V on an tube on youre desk, this for abt 5 min.or so while then the tube will become hot. Take the voltage away and put the ohm meter on for checking shorts.
If you apply the voltage for more time you need a ventilator to have so air flowing on the pins of the tube.
Attention: the tube will be hot !!!

You can try another NOS tube, you can check this tube before for any shorts the same way as above.
NOS tubes must be gettered before using in the amp, there is usefull information about that in the file section of this forum.

73
Dirk
on4ct

7004. Sv: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 18:16:43 UTC
From: ragnar otterstad
Topic: 6997 Message: 7004

Some Russian hams are selling GU74 at reasonable prices
73 Rag la5he

Den søndag, 17. januar 2016 19.03 skrev "on4ct@yahoo.com [acom-list]"
<acom-list@yahoogroups.com>:

  Jose

I would try it with no tube in the socket and see what happens. Take care that the anode clip make no shorts or disconnect the wire to the anode clip at the hv board.
If the fuses does not blow then the tube is the cause.
Attention: lethal voltage inside !!

You can check a faulty tube with an ohm meter for shorts. But most of the shorts happens only when the tube is warm, then the hot kathode is bending due to thermal deformation towards the screen or the screen to the anode.

I you are able to put the kathode voltage abt 12.5 V on an tube on youre desk, this for abt 5 min.or so while then the tube will become hot. Take the voltage away and put the ohm meter on for checking shorts.
If you apply the voltage for more time you need a ventilator to have so air flowing on the pins of the tube.
Attention: the tube will be hot !!!

You can try another NOS tube, you can check this tube before for any shorts the same way as above.
NOS tubes must be gettered before using in the amp, there is usefull information about that in the file section of this forum.

73
Dirk
on4ct

7005. Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 18:29:33 UTC
From: Fernando González, EC1CT
Topic: 6997 Message: 7005

Hola Jose,
I bought mines on vinecom.uk. They were tested and as matched pair. They have been sitting on my ACOM 2000A for many hours since I got them. Just keep my finger crossed not to see them
fail with all the mess in the fierce of the battle for K5P and the new ones to come at the end of the month. Regarding vinecom, the have a nice web to order online and they´re sending a certificate
about the tube you buy with all the test they made. Great service!...73 and have fun.
EC1CT Fernando, KD0IGJ
ec1ct@esbesaya.com

From: mailto:acom-list@yahoogroups.com
Sent: Sunday, January 17, 2016 7:02 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE

Hi all,

Thanks for your comments.

Well, I have opened the amplifier and taken the tube out. I don't have
an spare tube right now but, powering it up without the tube (but with
the covers on, of course) the fuses don't blow when OPER button is
pressed after the warm-up period.

So, yes, it seems the tube is shorted!

Now the obvious question... where would you source a new tube?. Is it
better to get it from ACOM?

Thanks and best regards,

Jose

El 17/01/2016 a las 11:10, Fernando González, EC1CT ec1ct@...
[acom-list] escribió:
>
>
> Hola Jose,
> It could be a deffective shorted tube...I would try with another one
> before going any further.
> Good luck and best 73
> Fernando EC1CT – KD0IGJ
> ec1ct@... <mailto:ec1ct@...>
>
>
> *From:* mailto:acom-list@yahoogroups.com

> *Sent:* Sunday, January 17, 2016 10:55 AM
> *To:* acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com>
> *Subject:* Re: [acom-list] Re: ACOM 1000 blows fuses when going to OPERATE
>
>
>
> Dear Dirk,
>
> Well, exactly what happens is that the amplifier ends the warm up period
> properly but then, when you press the OPER button, it immediately blows
> the fuses.
>
> I have not yet opened the amplifier, so it happens with the tube on its
> socket.
>
> Regards,
>
> Jose
>
> El 17/01/2016 a las 8:43, on4ct@... [acom-list] escribió:
>>
>>
>> Dear Jose
>>
>> As I understand the rear fuses are blowing when the amp goes in operate
>> mode after warming up.
>>
>> Then you can suspect two things:
>> a: the screen supply : short circuit on a board e.g. the screen supply
>> b : the tube : there can be internal short between kathode and
>> screen, or screen-anode short
>>
>> does it happens without a tube in the socket ?
>>
>> 73
>>
>> Dirk
>> on4ct

--
73 EB5AGV - JOSE V. GAVILA - La Canyada - Valencia (SPAIN)
http://agvradio.com AGVradio
http://jvgavila.com Personal WEB

No se encontraron virus en este mensaje.
Comprobado por AVG - www.avg.com
Versión: 2016.0.7303 / Base de datos de virus: 4489/11420 - Fecha de publicación: 01/17/16

7006. Re: Acom 2000A RCU. New

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-17 20:08:55 UTC
From: dlevy8787@...
Topic: 6998 Message: 7006

It has been sold.

Dave, w1wn

7007. Tubes for Sale (4CX800A/GU74B)

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-18 14:53:51 UTC
From: dlevy8787@...
Topic: 7007 Message: 7007

I have a New in the Box, spare set of tubes for the Acom 2000A. These are a matched pair that were purchased directly from Array Solutions. As I have a second set, I am offering these for sale. If you are interested, please email me off the reflector. For a quicker response please reply to the email address listed for me on qrz.com as I don't check the Yahoo mail very often.

Dave, w1wn

7008. Acom 2000A cables for sale.

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-18 16:31:53 UTC
From: dlevy8787@...
Topic: 7008 Message: 7008

I have the following cables that are no longer needed that interface with the 2000A:

1. 15 pin male VGA from the Remote Control Unit to a 9 pin female serial connector wired for Kenwood Radios. Used so that amplifier can track the band that the radio is on, without using RF sensing.

2. 15 pin male VGA from the Remote Control Unit to a stereo 3.5 mm 9 pin connector wired for the Icom CIV. Used so that amplifier can track the band that the radio is on, without using RF sensing.

3. 9 pin male to 9 pin female serial cable connecting the amplifier with your PC.

4. Control cable between the 2000S switch console and the switch itself. 10' long.

If you have a need for any of these, please email off the reflector. My email is good on qrz.com.

Dave, w1wn

7009. Re: Acom 2000A cables for sale.

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-18 22:26:04 UTC
From: dlevy8787@...
Topic: 7008 Message: 7009

All cables have been sold except #4. Thanks. Dave

7010. Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-19 04:14:22 UTC
From: David Maciel (XE3DX)
Topic: 7010 Message: 7010

Good day everyone, I bought my ACOM 1000, my first amplifier I want to work with my TS-590 radios and IC-7600, I have fear of evil and burn connect radios, someone can help ?. I need an extra cable to work?

David. XE3DX

--
Saludos

David Maciel XE3DX

Enviado desde mi IPHONE

7011. Re: [acom-list] Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-19 09:39:59 UTC
From: Callum the Web Boss
Topic: 7010 Message: 7011

David. You just connect the REMOTE pins (check manual) with the PTT line of the amplifier.

You can buy the cable on internet too.

Does that help..?

Callum McCormick
Founder

On this dastardly iPhone!

On 19 Jan 2016, at 04:14, 'David Maciel (XE3DX)'
david.xe3dx@...<mailto:david.xe3dx@gmail.com> [acom-list]
<acom-list@yahoogroups.com<mailto:acom-list@...m>> wrote:

Good day everyone, I bought my ACOM 1000, my first amplifier I want to work with my TS-590 radios and IC-7600, I have fear of evil and burn connect radios, someone can help ?. I need an extra cable to work?

David. XE3DX

--
Saludos

David Maciel XE3DX

Enviado desde mi IPHONE

7012. Re: Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-19 12:24:41 UTC
From: David Maciel (XE3DX)
Topic: 7010 Message: 7012

thanks for responding, I searched without finding the cable. trying to read
and translate the amplifier and the radio manual. thanks..

David
XE3DX

El martes, 19 de enero de 2016, Callum the Web Boss
callum@....uk [acom-list] <acom-list@yahoogroups.com> escribió:

>
>
> David. You just connect the REMOTE pins (check manual) with the PTT line
> of the amplifier.
>
> You can buy the cable on internet too.
>
> Does that help..?
>
> Callum McCormick
> Founder
>
> On this dastardly iPhone!
>
> On 19 Jan 2016, at 04:14, 'David Maciel (XE3DX)' david.xe3dx@...
> <javascript:_e(%7B%7D,'cvml','david.xe3dx@...');> [acom-list] <
> acom-list@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','acom-list@yahoogroups.com');>> wrote:
>
>
>
> Good day everyone, I bought my ACOM 1000, my first amplifier I want to
> work with my TS-590 radios and IC-7600, I have fear of evil and burn
> connect radios, someone can help ?. I need an extra cable to work?
>
>
> David. XE3DX
>
>
>
> --
> Saludos
>
> David Maciel XE3DX
>
> Enviado desde mi IPHONE
>

>
>

--
Saludos

David Maciel XE3DX

Enviado desde mi IPHONE

7013. Re: Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-19 12:39:21 UTC
From: bill.8@...
Topic: 7010 Message: 7013

Hi David,

connect REMOTE pin 2 (COM) to the amplifier GND and pin 4 (MKE) to the amplifier PTT IN connector.

73
Bill
G4WJS.

7014. Re: [acom-list] Re: Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 02:10:12 UTC
From: David Maciel (XE3DX)
Topic: 7010 Message: 7014

Hello Bill, thank you very much for responding, I want to be sure what I'll do, so I have more questions.

TS-590 ACOM 1000
REMOTE

Pin 2 COM ======>> GROUND

PIN 4 MKE ======>> KEY IN = PPT IN

1.- ACOM 1000 on RCA connectors are used only the center of the RCA? I think only the center is used.

2.- Cable wire?

Please, I also need the connection to my ICOM IC7600, someone working with ACOM 1000?

David Maciel XE3DX

http://www.qsl.net/xe3dx/ <http://www.qsl.net/xe3dx/>

david.xe3dx@... <david.xe3dx@gmail.com>

2016-01-19 6:39 GMT-06:00 bill.8@... [acom-list] <acom-list@yahoogroups.com>:

>
>
> Hi David,
>
> connect REMOTE pin 2 (COM) to the amplifier GND and pin 4 (MKE) to the
> amplifier PTT IN connector.
>
> 73
> Bill
> G4WJS.
>
>

[Non-text portions of this message have been removed]

7015. Re: [acom-list] Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 02:16:01 UTC
From: David Maciel (XE3DX)
Topic: 7010 Message: 7015

good day, thanks for your help, Friend Callum, you know where you can buy ...?

David Maciel XE3DX

http://www.qsl.net/xe3dx/ <http://www.qsl.net/xe3dx/>

david.xe3dx@... <david.xe3dx@...>

2016-01-19 3:39 GMT-06:00 Callum the Web Boss callum@... [acom-list] <acom-list@yahoogroups.com>:

>
>
> David. You just connect the REMOTE pins (check manual) with the PTT line
> of the amplifier.
>
> You can buy the cable on internet too.
>
> Does that help..?
>
> Callum McCormick
> Founder
>
> On this dastardly iPhone!
>
> On 19 Jan 2016, at 04:14, 'David Maciel (XE3DX)' david.xe3dx@...
> [acom-list] <acom-list@yahoogroups.com> wrote:
>
>
>
>
> Good day everyone, I bought my ACOM 1000, my first amplifier I want to
> work with my TS-590 radios and IC-7600, I have fear of evil and burn
> connect radios, someone can help ?. I need an extra cable to work?
>
>
> David. XE3DX
>
>
>
>
> --
> Saludos
>
> David Maciel XE3DX
>
> Enviado desde mi IPHONE

>
>
>

7016. Re: Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 06:43:37 UTC
From: Peter
Topic: 7010 Message: 7016

David,
For the PTT interconnect between A1000 & IC-7600, I use an RCA to RCA lead.

Cheers

Peter (VK5KX)

7017. Re: [acom-list] Re: Help ACOM 1000 with TS 590 and IC 7600

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 09:25:19 UTC
From: Robert Harris
Topic: 7010 Message: 7017

HI Peter
I have an acom 1000 that I use with my icom's 746, 756, 9100, I use a mast head pre amp so I had to use a foot switch so it takes the pre amp out before TXing, I wanted to use it with the signalink interface for digital work but it would shut the amp down as it was hot switching, I look every were and could not find anything to help me, so I thought about it and decided to LOOK in the signaling interface box and thought, I would cut into the ptt line and the ptt ground, I run a lead out to the acom 1000 key in line and bingo it works, I could never run brake in or qsk keying before, I could never run CW unless I used the foot switch but now every thing works great.I still don't understand why it would not work before, and why the acom company dose not explain it, I have been using the foot switch since I had it some years.I don't know if this will give some idear,s .

Best 73;s

VK3XQ Rob

From: "'Peter' manx@internode.on.net [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Wednesday, 20 January 2016, 17:43
Subject: [acom-list] Re: Help ACOM 1000 with TS 590 and IC 7600

  David,
For the PTT interconnect between A1000 & IC-7600, I use an RCA to
RCA lead.

Cheers

Peter (VK5KX)

7018. Foot Switch and PC Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 20:49:31 UTC
From: lgwsaw@...
Topic: 7018 Message: 7018

I am using a foot switch to key the Acom 1500 for hands free convenience. Now I want to run RTTY and need the PC to key the amp. Should I buy a key interface to go from the back on the radio to the amp?
Rig is a FTdx1200 ----I thinking this is the right ???
Thanks
Larry

7019. Re: [acom-list] Foot Switch and PC Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 22:54:18 UTC
From: Robert Harris
Topic: 7018 Message: 7019

Hi Larry
I am using a usb signalink interface and found that when using digital modes you can not sit there waiting to push the foot switch as the amp will shutdown with the hot switching, so I opened the interface box there is a jumper strip all I did was melted the plastic on the jumpers PTT & the PTT Ground I soldered a line and ran a lead direct to the key in socket on the amp with a RCA plug.I had no idea if it would work but bingo I don't have to use the foot switch for cw and I can even use qsk with vox, I could never do this before.I still don't understand how it works, I don't even use the line from the radio at all.I only wish some one put this on the net it would have saved me a lot of trouble.
I hope this helps you
Best 73's
Rob VK3XQ

From: "lgwsaw@... [acom-list]" <acom-list@yahoogroups.com>
To: acom-list@yahoogroups.com
Sent: Thursday, 21 January 2016, 7:49
Subject: [acom-list] Foot Switch and PC Switching

  I am using a foot switch to key the Acom 1500 for hands free convenience. Now I want to run RTTY and need the PC to key the amp. Should I buy a key interface to go from the back on the radio to the amp? Rig is a FTdx1200 ----I thinking this is the right ???ThanksLarry

7020. Re: [acom-list] Foot Switch and PC Switching

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-20 23:43:15 UTC
From: Logan Zintsmaster
Topic: 7018 Message: 7020

The signal link generates the ptt using a vox circuit on the digital audio. So your mod is keying the amp at the same time as the radio is keyed and that's what you want.

Logan, KZ6O

> On Jan 20, 2016, at 2:54 PM, Robert Harris vk3xq@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Hi Larry
>
> I am using a usb signalink interface and found that when using digital modes you can not sit there waiting to push the foot switch as the amp will shutdown with the hot switching, so I opened the interface box there is a jumper strip all I did was melted the plastic on the jumpers PTT & the PTT Ground I soldered a line and ran a lead direct to the key in socket on the amp with a RCA plug.
> I had no idea if it would work but bingo I don't have to use the foot switch for cw and I can even use qsk with vox, I could never do this before.
> I still don't understand how it works, I don't even use the line from the radio at all.
> I only wish some one put this on the net it would have saved me a lot of trouble.
>
> I hope this helps you
>
> Best 73's
>
> Rob VK3XQ
>
>
>
> From: "lgwsaw@yahoo.com [acom-list]" <acom-list@yahoog roups.com>
> To: acom-list@...m
> Sent: Thursday, 21 January 2016, 7:49
> Subject: [acom-list] Foot Switch and PC Switching
>
>
> I am using a foot switch to key the Acom 1500 for hands free convenience. Now I want to run RTTY and need the PC to key the amp. Should I buy a key interface to go from the back on the radio to the amp?
> Rig is a FTdx1200 ----I thinking this is the right ???
> Thanks
> Larry
>
>
>

7021. Acom 1000 paint

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 10:44:36 UTC
From: spikepost@...
Topic: 7021 Message: 7021

Hi all, would anyone know if FRONT PANEL paint is available for the Acom 1000 ?
It's been chipped on one side where it bends around the side, and I'm crying !
Cheers
G0CVL

7022. Re: Acom 1000 paint

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 11:55:15 UTC
From: ve2ebk@...
Topic: 7021 Message: 7022

Hi Clive

The paint is not avalable from ACOM. I received this info directly from ACOM sometime ago for my 1010. I think 1000 is the same. Go to your local car paint supplier or body shop..

73 Dany VE2EBK

Message received from ACOM

We do not offer a touch up paint, but our color is RAL # 8019 Mat.

A fast Google search gives following link:

http://www.lowvolumepowder.com/RAL-8019-Touch-Up-Pen
http://www.lowvolumepowder.com/RAL-8019-Touch-Up-Pen

73, Val LZ1VB

7023. Re: [acom-list] Re: Acom 1000 paint

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 11:56:17 UTC
From: Ira Neal
Topic: 7021 Message: 7023

A body shop can computer match.

Best Regards, Ira
On Jan 21, 2016 6:55 AM, "ve2ebk@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
>
>
> Hi Clive
>
> The paint is not avalable from ACOM. I received this info directly from
> ACOM sometime ago for my 1010. I think 1000 is the same. Go to your local
> car paint supplier or body shop..
>
> 73 Dany VE2EBK
>
>
> Message received from ACOM
>
> ----------
>
> We do not offer a touch up paint, but our color is RAL # 8019 Mat.
>
> A fast Google search gives following link:
>
> http://www.lowvolumepowder.com/RAL-8019-Touch-Up-Pen
>
> 73, Val LZ1VB
>
>
>

7024. ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 13:35:45 UTC
From: npalex@...
Topic: 7024 Message: 7024

After many years of flawless performance my 2000A is reporting a 'bias to low -061v' failure at turn on, shuts down in about 10 sec into count down..

Looking for any suggestions as to where to start looking for the cause.

Norm W4QN

7025. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 13:56:18 UTC
From: Barry N1EU
Topic: 7024 Message: 7025

Probably a bad tube. I'd swap them out and see if that fixes the problem.

Barry N1EU

On Thu, Jan 21, 2016 at 8:35 AM, npalex@... [acom-list] <
acom-list@yahoogroups.com> wrote:

>
>
> After many years of flawless performance my 2000A is reporting a 'bias to
> low -061v' failure at turn on, shuts down in about 10 sec into count down..
>
>
> Looking for any suggestions as to where to start looking for the cause.
>
>
> Norm W4QN
>
>
>

7026. RE: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 14:15:03 UTC
From: N2TK, Tony
Topic: 7024 Message: 7026

Could be a bad tube or a failed cap (very common on older amps) on the low voltage supply board – C2.

73,

N2TK, Tony

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, January 21, 2016 8:36 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] ACOM 2000A - Lo Bias Failure

After many years of flawless performance my 2000A is reporting a 'bias to low -061v' failure at turn on, shuts down in about 10 sec into count down..

Looking for any suggestions as to where to start looking for the cause.

Norm W4QN

[Non-text portions of this message have been removed]

7027. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 14:20:29 UTC
From: K2LS
Topic: 7024 Message: 7027

It's usually a bad tube or one of the filter caps in the bias supply.

73 Larry

DxPacketcluster node DXC.K2LS.COM Spots from Na zones 1-8 only.

On 1/21/2016 8:56 AM, Barry N1EU barry.n1eu@... [acom-list] wrote:
> Probably a bad tube. I'd swap them out and see if that fixes the
> problem.
>
> Barry N1EU
>
> On Thu, Jan 21, 2016 at 8:35 AM, npalex@...
> <mailto:npalex@...> [acom-list] <acom-list@yahoogroups.com
> <mailto:acom-list@yahoogroups.com>> wrote:
>
> After many years of flawless performance my 2000A is reporting a
> 'bias to low -061v' failure at turn on, shuts down in about 10 sec
> into count down..
>
>
> Looking for any suggestions as to where to start looking for the
> cause.
>
>
> Norm W4QN
>
>
>

7028. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 14:30:46 UTC
From: Michael Raskin
Topic: 7024 Message: 7028

When that happened to me, it was a bad tube. Just under one year so Jay replaced it for free. Finally got K5P on 80, 30 and 12, the only bands that I needed them on, with not a minute to spare, as we are almost in Vegas.

Sent from my iPhone

> On Jan 21, 2016, at 8:35 AM, npalex@...t [acom-list] <acom-list@yahoogroups.com> wrote:
>
> After many years of flawless performance my 2000A is reporting a 'bias to low -061v' failure at turn on, shuts down in about 10 sec into count down..
>
>
>
> Looking for any suggestions as to where to start looking for the cause.
>
>
>
> Norm W4QN
>
>

7029. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 14:41:09 UTC
From: Brenton Meadows
Topic: 7024 Message: 7029

Agree with Barry, as the Asia Pacific Acom Agent, sounds very much like a
suspicious tube....Good place to start..
Cheers
Brenton
VK3CM/VK5BM

On Fri, Jan 22, 2016 at 12:56 AM, Barry N1EU barry.n1eu@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Probably a bad tube. I'd swap them out and see if that fixes the problem.
>
> Barry N1EU
>
> On Thu, Jan 21, 2016 at 8:35 AM, npalex@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>>
>>
>> After many years of flawless performance my 2000A is reporting a 'bias to
>> low -061v' failure at turn on, shuts down in about 10 sec into count down..
>>
>>
>> Looking for any suggestions as to where to start looking for the cause.
>>
>>
>> Norm W4QN
>>
>>
>
>

<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&u
tm_content=webmail>
This
email has been sent from a virus-free computer protected by Avast.
www.avast.com
<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&u
tm_content=webmail>
<#DDB4FAA8-2DD7-40BB-A1B8-4E2AA1F9FDF2>

7030. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 14:43:47 UTC
From: Brenton Meadows
Topic: 7024 Message: 7030

I will have to look it up in the morning, also could be that 10w 10ohm
resistor issue, its nearly 2am so I may have the value wrong, I will check
the exact details in the morning. Sleep , need sleep, day started at 6am,
long day...
cheers
Brenton
VK3CM/VK5BM
<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&u
tm_content=webmail>
This
email has been sent from a virus-free computer protected by Avast.
www.avast.com
<https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&u
tm_content=webmail>
<#DDB4FAA8-2DD7-40BB-A1B8-4E2AA1F9FDF2>

On Fri, Jan 22, 2016 at 1:15 AM, 'N2TK, Tony' tony.kaz@...
[acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Could be a bad tube or a failed cap (very common on older amps) on the low
> voltage supply board – C2.
>
> 73,
>
> N2TK, Tony
>
> From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> Sent: Thursday, January 21, 2016 8:36 AM
> To: acom-list@yahoogroups.com
> Subject: [acom-list] ACOM 2000A - Lo Bias Failure
>
> After many years of flawless performance my 2000A is reporting a 'bias to
> low -061v' failure at turn on, shuts down in about 10 sec into count down..
>
> Looking for any suggestions as to where to start looking for the cause.
>
> Norm W4QN
>
> [Non-text portions of this message have been removed]
>
>
>

7031. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-21 20:19:05 UTC
From: Oscar O. Ochoa xe2voo
Topic: 7031 Message: 7031

Hi Norm.

you problema is in low voltaje power board fríend.

number posición is C2, 47 uf to 200v, is a electrolitic capacitor… check and remplace friend.

also revised R5, 4.7K, 2W.

and D5,6,7 and 8 POSSIBLE LEAK, is a zener diodes all.

regards friend

Oscar Ochoa xe2voo.

De: npalex@bellsouth.net [acom-list]
Enviado el: ☐jueves☐, ☐21☐ de ☐enero☐ de ☐2016 ☐07☐:☐35
Para: acom-list@yahoogroups.com

After many years of flawless performance my 2000A is reporting a 'bias to low -061v' failure at turn on, shuts down in about 10 sec into count down..

Looking for any suggestions as to where to start looking for the cause.

Norm W4QN

7032. Re: [acom-list] ACOM 2000A - Lo Bias Failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-23 23:01:17 UTC
From: Marcel Jorba
Topic: 7024 Message: 7032

Hi

My amp presented a similar problem
After a few checks under the supervision of Val at Acom Bulgaria, it was solved replacing R30 in my case

I suggest to contact Val at Acom
73s Marcel EA3IN

7033. Problem with new RCU with Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-24 19:18:11 UTC
From: w0sz@...
Topic: 7033 Message: 7033

I have a new type RCU. I am using a K3 to the the amp. I have connected the key-out line from the K3 to the key-in port of the RCU and the key-in connector at the end of the control cable at the amp. When the amp is turned on and I push the button on the RCU to operate from standby the receiver in the K3 goes mute. The amp will load just fine but the receiver is mute. Anyone have this problem before? Thanks, Steve W0SZ

7034. RE: [acom-list] Problem with new RCU with Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 11:27:04 UTC
From: Bob Naumann
Topic: 7033 Message: 7034

It sounds like your K3's Key Out line is shorted.

What happens when you disconnect the cable from the RCU Key-In connector?

Just a reminder - you MUST have *both* the Key-In and Key-Out cables from the RCU plugged into the back of the amp to their corresponding RCA jacks..

73,

Bob W5OV

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 24 January, 2016 2:18 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Problem with new RCU with Acom 2000A

I have a new type RCU. I am using a K3 to the the amp. I have connected the key-out line from the K3 to the key-in port of the RCU and the key-in connector at the end of the control cable at the amp. When the amp is turned on and I push the button on the RCU to operate from standby the receiver in the K3 goes mute. The amp will load just fine but the receiver is mute. Anyone have this problem before? Thanks, Steve W0SZ

Posted by: w0sz@...

Yahoo Groups Links

7035. Re: Acom 1000 paint

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 12:00:56 UTC
From: spikepost@...
Topic: 7021 Message: 7035

Thanks a million. I can inform everybody, that the RAL 8019 grey brown matt, is an EXACT match for my Acom 1000 front panal, as I ordered some and applied it over the last couple of days !
Marvelous !!

7036. acom 600s

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 12:35:02 UTC
From: John Bates
Topic: 7036 Message: 7036

I received my Acom 600s 2 days ago and all checked out except Keying up with no input the PA DC Current should read 1 to 1.4 Amps.

Mine reads 0. When I transmit with power it reads 20 Amps. This shows me no Idling current.

Options;

Do I let Acom repair it by sending it back to the seller?

Do I send it back and buy a 1500 instead?

Thanks for all input.

John

7037. Re: [acom-list] acom 600s

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 12:55:32 UTC
From: Ira Neal
Topic: 7036 Message: 7037

I can understand just how frustrating it is to purchase a new item and have this happen. I suggest the obvious call, and be very firm.

They, ARRAY Solutions do, for a limited fee, provide a pre-sale test burn in.

Best Regards, Ira ke4ex
On Jan 25, 2016 7:35 AM, "'John Bates' bates.jay@... [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
> I received my Acom 600s 2 days ago and all checked out except Keying up
> with no input the PA DC Current should read 1 to 1.4 Amps.
>
> Mine reads 0. When I transmit with power it reads 20 Amps. This shows me
> no Idling current.
>
> Options;
>
> Do I let Acom repair it by sending it back to the seller?
>
> Do I send it back and buy a 1500 instead?
>
> Thanks for all input.
>
>
>
> John
>
>
>
>
>
>

7038. Re: [acom-list] Re: Acom 1000 paint

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 12:56:46 UTC
From: Ira Neal
Topic: 7021 Message: 7038

Where did you get the paint?

Best Regards, Ira ke4ex
On Jan 25, 2016 7:01 AM, "spikepost@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Thanks a million.
> I can inform everybody, that the RAL 8019 grey brown matt, is an EXACT
> match for my Acom 1000 front panal, as I ordered some and applied it over
> the last couple of days !
> Marvelous !!
>
>

7039. Re: [acom-list] acom 600s

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 13:10:49 UTC
From: Andre VanWyk
Topic: 7036 Message: 7039

If you purchased it from HRO, they will exchange it for you and send you a new one after they received yours back.

Talk to the national sales manager.

You might send Acom Bulgaria a quick email describing your problem.

73
NJ0F

Sent from my iPhone

> On Jan 25, 2016, at 6:55 AM, Ira Neal grassybranch@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I can understand just how frustrating it is to purchase a new item and have this happen. I suggest the obvious call, and be very firm.
>
> They, ARRAY Solutions do, for a limited fee, provide a pre-sale test burn in.
>
> Best Regards, Ira ke4ex
>
>> On Jan 25, 2016 7:35 AM, "'John Bates' bates.jay@gmail.com [acom-list]" <acom-list@yahoogroups.com> wrote:
>>
>> I received my Acom 600s 2 days ago and all checked out except Keying up with no input the PA DC Current should read 1 to 1.4 Amps.
>>
>> Mine reads 0. When I transmit with power it reads 20 Amps. This shows me no Idling current.
>>
>> Options;
>>
>> Do I let Acom repair it by sending it back to the seller?
>>
>> Do I send it back and buy a 1500 instead?
>>
>> Thanks for all input.
>>
>>
>>
>> John
>>
>
>

7040. Re: [acom-list] Re: Acom 1000 paint

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 18:00:46 UTC
From: spikepost@...
Topic: 7021 Message: 7040

Hi, I sent for a small touch up pot from a UK supplier called paint express. If you just search for that ref for the paint, I'm sure you'll find a local supplier.

7041. issue with AC voltage regulator

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 18:08:21 UTC
From: iz0kbr@...
Topic: 7041 Message: 7041

I have a 2000a tapped at 240V. The main voltage at home is around 224/225V, rarely during the day it reach 230V, and when I excite the amplifier from the transceiver the RCU shows 210/200V and less and the Heater starts lighting: this is the normal use of the amplifier for many years, and nothing wrong happened till now, but the Heater warning it starts to be annoying.

To try to fix this problem and optimize things, a few days ago I have decided to install an "AC automatic voltage regulator", and now the RCU shows 232/233V constantly in standby mode, which it is perfect, but when I operate the amplifier the RCU shows 245/250/260V or more and the Heater starts blinking up to when the amplifier goes into protection mode saying 'MOTOR VOLTAGE TOO HIGH': the more power I load from my transceiver, the more main voltage value is shown on the RCU.

i.e: 10W load: 240/245V, 20W load: 250/260V, 25W load: 270V + amp in protection mode.

It should be noted that while the RCU shows 260V or more, the lcd screen of the AC voltage regulator always shows an output voltage to the amplifier of 232/233V, which is correct.

What is wrong?

7042. Re: issue with AC voltage regulator

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 19:27:43 UTC
From: drew@...
Topic: 7041 Message: 7042

This can be better answered if we know the model of your voltage regulator. There are different technologies used, and some can change the sinusoidal waveshape of the AC line, which is undesirable.

73,
Drew K3PA

7043. Re: issue with AC voltage regulator

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-25 19:34:13 UTC
From: on4ct@...
Topic: 7041 Message: 7043

hallo

I have no experiences with voltgage regulators.
The 2000 draws a lot of current, a 2,5 mm² home grid is a minimum.
I do known how long the wires are are in the home grid, I see from your measurements there is a big voltage drop.
Therefore is this voltage drop due to the grid coming from the supplier, you can measure this
at the entrance or is the voltage drop in your own grid. ?

The peak currents in the circuit feeding the amp - and maybe the shack - is big.
The capacitors in the amp power supply have to recharge wich is almost a short cuircuit.
An 1,5 kW output amp, has about 3 kW input , on 240 V that is about 12,5 A (RMS), but there are peaks of about 150 Amps due to recharging the power supply.
You can improve the home grid by using 4 mm² or 6mm³ depending on the length of the wires from panel to the shack.
The fuses in the breaker panel can be 20 A type C just like for a 2,5 mm² wired circuit.

Read more in the newsletter march 2010 by Gordon of Rfconcepts former Alpha.

http://archive.constantcontact.com/fs082/1102056358212/archive/1103112958123.html
http://archive.constantcontact.com/fs082/1102056358212/archive/1103112958123.html

Hope this helps

Dirk
on4ct

7044. RE: [acom-list] Problem with new RCU with Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 01:46:25 UTC
From: w0sz@...
Topic: 7033 Message: 7044

Bob, you are absolutely correct. The Key-In plug was shorted. Thanks for you input. Best 73, Steve W0SZ

7045. Acom-1010 - Accidentally Fried the Tube

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 03:04:14 UTC
From: garfieldbill700@...
Topic: 7045 Message: 7045

Well crap. If ever there was a case to have an air-flow or temp monitor on the 1010, this would probably be it. Running CW last night on 40m & got carried away w/long transmission, smelled something hot then noticed that my 1010 had Red-Lighted me. The shack was fairly dark to begin with and the amp sits on an end-table to the left of my operating position, somewhat out of sight. I failed to notice that a black 3-ring binder had been laid on top of the amp, covering the exhaust vent. Aww-s**t. The fault cleared but immediately red-lighted again when keyed. I let it cool down, but same symptom.

Assuming it was the tube, today I installed my spare, let it getter for a while, then set the bias and we're up and running again, albeit an expensive lesson. I like having a spare tube on hand, just hadn't planned on using it quite this soon or for such a very stupid reason.. I'm guessing the original tube is shorted.

What's the going price and best source for a GU74b these days? I'd still like to keep a spare on hand.

Thanks
Bill - WB9FOP

7046. Re: acom 600s

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 07:35:22 UTC
From: pmo75@...
Topic: 7036 Message: 7046

As suggest NJ0F, to send an email to Val in Bulgaria to have a feed-back from the source seems to be the most logic.
The 600 give a lot of information about a possible failure, perhaps there is a way to solve your problem without shipping back the unit ?
73.
Phil

7047. Re: [acom-list] Acom-1010 - Accidentally Fried the Tube

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 11:52:21 UTC
From: Callum the Web Boss
Topic: 7045 Message: 7047

Ah! Poor chap. Been there, done that (although not a linear). Fried a ton of power transistors once. I'm now paranoid about air-flow (as you will be now!).

Nasty lesson that you and I now know. Well done for sharing.

Callum McCormick
Founder

On this dastardly iPhone!

On 26 Jan 2016, at 03:04, garfieldbill700@...<mailto:garfieldbill700@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

Well crap. If ever there was a case to have an air-flow or temp monitor on the 1010, this would probably be it. Running CW last night on 40m & got carried away w/long transmission, smelled something hot then noticed that my 1010 had Red-Lighted me. The shack was fairly dark to begin with and the amp sits on an end-table to the left of my operating position, somewhat out of sight. I failed to notice that a black 3-ring binder had been laid on top of the amp, covering the exhaust vent. Aww-s**t. The fault cleared but immediately red-lighted again when keyed. I let it cool down, but same symptom.

Assuming it was the tube, today I installed my spare, let it getter for a while, then set the bias and we're up and running again, albeit an expensive lesson. I like having a spare tube on hand, just hadn't planned on using it quite this soon or for such a very stupid reason.. I'm guessing the original tube is shorted.

What's the going price and best source for a GU74b these days? I'd still like to keep a spare on hand.

Thanks

Bill - WB9FOP

7048. Re: Acom-1010 - Accidentally Fried the Tube

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 12:57:09 UTC
From: dlevy8787@...
Topic: 7045 Message: 7048

I see them on ebay from Ukraine/Russia for about $200 (maybe a little less) shipped. I have a matched pair from Array Solutions for the 2000A and they were a little more.

Dave, w1wn

7049. Re: Acom-1010 - Accidentally Fried the Tube

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 15:21:46 UTC
From: garfieldbill700@...
Topic: 7045 Message: 7049

Thanks Dave! I rec'd an email this morning from Vine Antennas in the UK that they have fully tested and guaranteed ones for GBP 160 (USD $228.60) plus $28 shipping. Compared to untested ones from questionable sources, that's a very small premium for the warm fuzzy feeling of dealing with a reputable firm. Will probably go that direction but still checking. It's not like I'm down and need it overnight.

Thanks

7050. Re: Acom-1010 - Accidentally Fried the Tube

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 17:37:35 UTC
From: dlevy8787@...
Topic: 7045 Message: 7050

Agreed. Don't be concerned with the date code. I have a matched pair from Array Solutions, as a spare, and they are dated 1991. They are not making these anymore, or if they are, I have not seen any recent "vintage"

Dave

7051. Re: acom 600s

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-26 19:16:07 UTC
From: bates.jay@...
Topic: 7036 Message: 7051

The info that I received from Val thru DX engineering is "The difference is a result of an additional protection that was implemented after the manual was printed. The PA is kept cut off until the transmission start when the driving signal frequency is countered and the band is switched if needed. This is if the CAT is not being used.
Makes sense to me. Thanks for the inputs.

John KB0UY

7052. Re: [acom-list] Acom 2000A cables for sale.

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-28 04:38:21 UTC
From: Andre VanWyk
Topic: 7008 Message: 7052

Hi Dave,

Do you still have the spare set of Acom 2000A tubes?

73
Andre
NJ0F

Sent from my iPad

> On Jan 18, 2016, at 10:31 AM, dlevy8787@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I have the following cables that are no longer needed that interface with the 2000A:
>
>
>
> 1. 15 pin male VGA from the Remote Control Unit to a 9 pin female serial connector wired for Kenwood Radios. Used so that amplifier can track the band that the radio is on, without using RF sensing.
>
>
>
> 2. 15 pin male VGA from the Remote Control Unit to a stereo 3.5 mm 9 pin connector wired for the Icom CIV. Used so that amplifier can track the band that the radio is on, without using RF sensing.
>
>
>
> 3. 9 pin male to 9 pin female serial cable connecting the amplifier with your PC.
>
>
>
> 4. Control cable between the 2000S switch console and the switch itself. 10' long.
>
>
>
> If you have a need for any of these, please email off the reflector. My email is good on qrz.com.
>
>
>
> Dave, w1wn
>
>
>

>

7053. ACOM 1500 For Sale

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-29 20:57:46 UTC
From: Jay Terleski
Topic: 7053 Message: 7053

We have a new ACOM 1500 amplifier at Array Solutions, our last one.
We will sell it for less than retail and it includes free shipping to lower 48 and two year warranty on amp and 1 year on the tube.

This amp includes our check out service, and set up 240 VAC, and the AC Main Plug.

Please call us if interested.

214 954 7140

Jay Terleski
President
Array Solutions
214 954 7140

7054. Re: [acom-list] issue with AC voltage regulator

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-30 13:05:47 UTC
From: dxbuster
Topic: 7041 Message: 7054

This must be a joke. I can't believe that somebody will buy a voltage regulator when he can simply change the taps according to the mains voltage. Why do you torture the poor ACOM 2000A set on 240V after you know that in your shack it is 225V and sags even lower under load?

Remember that the tubes like it hot. It is better to keep them hotter than colder as the low filament voltage shorts tubes life. If you have 230VAC, set the PA to 220V and not to 240V.

2016-01-25 20:08 GMT+02:00 iz0kbr@... [acom-list] <acom-list@yahoogroups.com>:

>
>
>
> I have a 2000a tapped at 240V. The main voltage at home is around
> 224/225V, rarely during the day it reach 230V, and when I excite the
> amplifier from the transceiver the RCU shows 210/200V and less and the
> Heater starts lighting: this is the normal use of the amplifier for many
> years, and nothing wrong happened till now, but the Heater warning it
> starts to be annoying.
>
>
> To try to fix this problem and optimize things, a few days ago I have
> decided to install an "AC automatic voltage regulator", and now the RCU
> shows 232/233V constantly in standby mode, which it is perfect, but when I
> operate the amplifier the RCU shows 245/250/260V or more and the Heater
> starts blinking up to when the amplifier goes into protection mode saying
> 'MOTOR VOLTAGE TOO HIGH': the more power I load from my transceiver, the
> more main voltage value is shown on the RCU.
>
>
> i.e: 10W load: 240/245V, 20W load: 250/260V, 25W load: 270V + amp in
> protection mode.
>
>
> It should be noted that while the RCU shows 260V or more, the lcd screen
> of the AC voltage regulator always shows an output voltage to the amplifier
> of 232/233V, which is correct.
>
>
> What is wrong?
>
>
>
>

7055. Re: [acom-list] Acom 2000A cables for sale.

Yahoo group: acom-list (2010 — 2016)
Date: 2016-01-30 14:21:50 UTC
From: dlevy8787@...
Topic: 7008 Message: 7055

HI Andre. I will send you an email. Sorry I have been traveling and just checked the site.

Dave, w1wn

7056. How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-01 21:52:25 UTC
From: marc.danapel@...
Topic: 7056 Message: 7056

Hi,
I plan on getting an amp for HF. I really like the 1010 from what I've read so far. I don't have any experience with tube amps as a ham, but I was was servicing HF-transmitters in the military in the early 90s. I remember replacing a lot of Y-757 back then. How long do the tubes actually last in these Acom amps, let's say if I'm on the air for an hour a day on average, doing cw with 300 watts or ssb with PEP 600 watts? Should I expect replacing the tube within 4 or 5 years?

73 de Marc DL1MRD

7057. Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-01 22:48:58 UTC
From: davenlr@...
Topic: 7056 Message: 7057

Considering the tube in the 1010 is the same same tube used in their 1KW amp, the tube is already taking it pretty easy on the 1010. If you dont run a 3:1 SWR constantly, i.e. keep your reflected power to a minimum, dont use full power key down modes like RTTY a lot, and follow normal maintenance on the amp by keeping it clean inside and out...the tube should last a long long time. I would think your expectation of 4 or 5 years will turn out being a lot longer than that. My last amp with a pair of 572s was still putting out full power after 15 years when I sold it.

7058. Re: [acom-list] How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-01 23:10:29 UTC
From: Barry N1EU
Topic: 7056 Message: 7058

Marc, my wild guess is that the tube should easily last 10-15 years but I'd keep a spare on hand in any case.

73, Barry N1EU

On Mon, Feb 1, 2016 at 9:52 PM, marc.danapel@... [acom-list] <acom-list@...m> wrote:

>
>
> Hi,
> I plan on getting an amp for HF. I really like the 1010 from what I've
> read so far. I don't have any experience with tube amps as a ham, but I was
> was servicing HF-transmitters in the military in the early 90s. I remember
> replacing a lot of Y-757 back then. How long do the tubes actually last in
> these Acom amps, let's say if I'm on the air for an hour a day on average,
> doing cw with 300 watts or ssb with PEP 600 watts? Should I expect
> replacing the tube within 4 or 5 years?
>
> 73 de Marc DL1MRD
>
>
>
>
>

7059. Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-02 13:48:16 UTC
From: marc.danapel@...
Topic: 7056 Message: 7059

Thank you guys, sounds great.

I placed the order for a 1010 today. Unfortunately the dealer is out of stock, I have to wait 4 weeks for the next shipment. At least I get a brand new one from the factory that way :-)

73 de Marc DL1MRD

7060. Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-02 13:56:42 UTC
From: k2qb@...
Topic: 7056 Message: 7060

Congrats Marc on your purchase! I have had my 1010 about a month now and couldn't be happier. I did buy a tube so I could have a spare just in case although as the previous posters have stated, the tube should last us for many years as long as we don't abuse them.

Jim K2QB

7061. Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-02 14:06:17 UTC
From: d48806
Topic: 7056 Message: 7061

Watch that screen current (keep it low, with proper tuning). Also, I have heard that off-on cycles with the filaments are harder on the tubes than continuous hours of operation.

7062. Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-02 17:49:07 UTC
From: ragnar otterstad
Topic: 7056 Message: 7062

For people in EU, you can but in several countries without extra duty !It can be a good idea to check the VAT rates and buy where the rate is lowest !
73 Rag LA5HE

7063. RE: [acom-list] Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-02 20:50:51 UTC
From: Kees - pa7two
Topic: 7056 Message: 7063

Under normal circumstances, it all depends on the usage. I have seen Acom 1010 coming back after less than 2 years for tube replacement. After questioning the owner, we knew the root cause: Amp was driven to full power most of the time. Since the HV is trimmed down to allow less quality components in the Acom 1010 compared to an Acom 1000, the tube has to work harder to produce the same RF output levels (not talking about the maximum here). In other words, to produce 400 Watt from an Acom 1010 is less easy for the tube itself than when she is fitted in an Acom 1000 which has a higher HV.

With regards the Acom 1000, an original tube is still fitted in mine, and is still rocking. On the other hand I have replace tubes of Acom 1000 owners when they degraded in performance. After asking the owners at what RF levels these amps were used, each and every time these amps were used to produce the full RF output or were used extensively in a digital mode and maybe sometimes even too much RF input with bad tuning. Mark my words on saying that screen current kills this type of tube in one way or the other. Keep the RF output so low that you do not see any flowing and your tube is and will likely stay very happy. Only in two occasions we could not get our minds on why the tube went bad (bad luck?).

Having this written down, the maximum RF output this tubes was designed for was a) with a lower HV than fitted in an Acom 1000 and b) was 700-750 Watt MAX RF output per specification of the factories. When under the brandname Svetlana the tubes where imported to the USA, all over sudden the maximum HV and RF output values were raised in the new specifications...

Bottom line: If you ask me, simply do not drive your Acom 1000 or Acom 1010 to the maximum RF output, avoid driving the max when it comes to digital modes like RTTY and monitor your screen current closely. Your GU74B tube simply does not like that / cannot cope with these aspects in the long term.

Just my 2 cts gentlemen.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Mon, 1 Feb 2016 14:48:58 -0800
Subject: [acom-list] Re: How long do tubes last?

Considering the tube in the 1010 is the same same tube used in their 1KW amp, the tube is already taking it pretty easy on the 1010. If you dont run a 3:1 SWR constantly, i.e. keep your reflected power to a minimum, dont use full power key down modes like RTTY a lot, and follow normal maintenance on the amp by keeping it clean inside and out...the tube should last a long long time. I would think your expectation of 4 or 5 years will turn out being a lot longer than that. My last amp with a pair of 572s was still putting out full power

after 15 years when I sold it.

7064. Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 05:56:57 UTC
From: garfieldbill700@...
Topic: 7056 Message: 7064

That's actually true with most tubes that are subject to intermittent duty. Just like the old incandescent light bulbs that most often fail when being turned on. If there is protection in place to limit filament in-rush current then power-cycling the tube should be less of a concern.

With your fine Acom amplifier, the thing to worry about with constant running is wearing out the fan bearing(s) and sucking a lot of household dust (and possibly pet fur) into the amp, especially if there is no air filter present. I have very neatly taped some filter material to the underside of my Acom-1010 just for that reason, though annual servicing (pulling covers & blowing out the dust) still seems necessary..

But I've also read of several power transformer failures, which considering what these amps cost I think is inexcusable and cause for concern. A power transformer should never fail and the manufacturer should be willing to make good any that do regardless of in or out of warranty simply for the sake of customer good will.

7065. RE: [acom-list] Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 06:40:59 UTC
From: garfieldbill700@...
Topic: 7056 Message: 7065

Most transmitting tubes will exceed manufacturer's specifications for power output. The question is, for how long? I've known guys with some cheap Ameritron 811 series amps who can easily get 5 years or more out of a set of tubes. I've known others who go through a set of 811's in a matter of a few months.

I've seen an Acom 1010 consistently make 825 w output on a Bird 43 meter, but not without exceeding the recommended drive power, which is just plain dumb. The difference between 825 and the manufacturer's 700w spec amounts to 0.7135 db which is less than 1/8th of an S-unit, so why do people insist on doing it?

If you want a kilowatt amplifier, buy one. When you cheat by over-driving or worse, by monkeying with the input voltage taps, you're only cheating yourself out of useful life of your tube(s). To quote a famous line, "Stupid is as stupid does."

7066. Re: [acom-list] How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 07:09:43 UTC
From: <aivers30868@...>
Topic: 7056 Message: 7066

HI HAD MY TUBES for ACOMS- 2000A's in sockets purchased 1 new 1 used ACOM 10, 8 yrs, STILL FULL OUTPUT, NO ISSUES, just do run the one.
hard in contests, but NO ISSUES. I HGAVE SPARES(I DIO NOT KNOW WHY?)
JOE W6VNR

"Isn't it amazing how sand between your toes can affect how you feel between the ears?"
"If fishing is like religion, then fly-fishing is "HIGH CHURCH"

7067. Re: [acom-list] How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 08:08:54 UTC
From: Hans Remeeus
Topic: 7056 Message: 7067

My Acom2000A has its original tubes since 2004.

All days in use.

Still 14,5 dB gain.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 3-2-2016 om 8:09 schreef aivers30868@... [acom-list]:
>
>
> HI HAD MY TUBES for ACOMS- 2000A's in sockets purchased 1 new 1 used
> ACOM 10, 8 yrs, STILL FULL OUTPUT, NO ISSUES, just do run the one.
>
> hard in contests, but NO ISSUES. I HGAVE SPARES(I DIO NOT KNOW WHY?)
>
> JOE W6VNR
>
>
> "Isn't it amazing how sand between your toes can affect how you feel between the ears?"
> "If fishing is like religion, then fly-fishing is "HIGH CHURCH"
>
>
>
>
>

7068. Re: issue with AC voltage regulator

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 12:34:28 UTC
From: iz0kbr@...
Topic: 7041 Message: 7068

hi Dirk, thanks for your hints;

the wiring it should be right, I am using 4 mm2 from the amp to the electricity panel inside of the house, and 6 mm2 from the panel to the panel in the street. The voltage drop that I notice on the rcu while transmitting is present on both panels, infact I am measuring it with a voltage tester.

Last night it was much better, I had 233/235V the whole night (drop down to 222/223V and less only while transmitting), I am wondering if it have a sense to tap the amp to 220V or if the the actual position of 240V is the correct choice.

73's

7069. Re: issue with AC voltage regulator

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 13:13:39 UTC
From: on4ct@...
Topic: 7041 Message: 7069

I read that you have also a soft grid supplied to the house, 6 mm²
At night there are not so many users on the grid and the voltage is higher.
Maybe you can ask supplier to your house to install a 10 mm² wire to suppy the home, wich is more common in EU,

Is there no 230 V tap ? I have no 2000 so I can not check.

If you use the 220 V tap , you need to check the kathode voltage on the tubes while the amps is in stand by mode, this can be done quite easily . Beneath the amp is control panel that can be opened and you can measure there the voltage on the heater. It should be between around 12,6 V, between 11,9-13,3 V is allowed. If you are under 13,3 V you are in a green zone.
Be carefull to measure the voltage on the socket, there are other componentes and tensions close in that little cabinet. You should also check on a datasheet wich socket pins are the kathode.
The filament voltage is the most important factor when setting the taps on the transformator.

73
dirk
on4ct

7070. RE: [acom-list] Re: How long do tubes last?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-03 21:16:07 UTC
From: Kees - pa7two
Topic: 7056 Message: 7070

Exactly.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Tue, 2 Feb 2016 22:40:59 -0800
Subject: RE: [acom-list] Re: How long do tubes last?

Most transmitting tubes will exceed manufacturer's specifications for power output. The question is, for how long? I've known guys with some cheap Ameritron 811 series amps who can easily get 5 years or more out of a set of tubes. I've known others who go through a set of 811's in a matter of a few months.

I've seen an Acom 1010 consistently make 825 w output on a Bird 43 meter, but not without exceeding the recommended drive power, which is just plain dumb. The difference between 825 and the manufacturer's 700w spec amounts to 0.7135 db which is less than 1/8th of an S-unit, so why do people insist on doing it?

If you want a kilowatt amplifier, buy one. When you cheat by over-driving or worse, by monkeying with the input voltage taps, you're only cheating yourself out of useful life of your tube(s). To quote a famous line, "Stupid is as stupid does."

7071. fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-06 19:13:26 UTC
From: 19becca55@...
Topic: 7071 Message: 7071

Is the fan in the acom 1000 a 2 speed fan? Would it help to have an auxiliary fan installed? What size should it be? 2.5, 5 or 7 watts? Thanks, Richard wb6ewm

7072. Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-07 07:03:47 UTC
From: on4ct@...
Topic: 7071 Message: 7072

Richard

this has been on the forum.
The cooling system is very well built, the internal fan is sensor controlled.

Dirk
on4ct

for the external fan : from an earlier post
have fitted the external fan. Not speced or supplied by Acom.

Sunon DC AXIAL FLOW FAN, 92X92X25MM, 24V
Bearing Type: Precision Ball
External Depth: 25mm
Fan Frame Size: 92mm
Flow Rate - Imperial: 45cu.ft/min
Flow Rate - Metric: 76m³/h
Noise Rating: 34dBA
Power Connection Type: Wire Leaded
Series: KDE
Supply Voltage: 24VDC
Current Rating: 60mA
Current Type: DC
External Height: 92mm
External Width: 92mm
Frame Dimensions: 92mm x 92mm x 25mm
Operating Temperature Max: 70°C
Operating Temperature Min: -10°C
Power Consumption: 2.2W
Speed Range Max: 2600rpm

Works fine and when I'm running an RTTY pile-up the chimney temp hovers
around 56C with 600-700W indicated output. 45cu.ft/min is greater than
the full power airflow requirement of the GU74B (4CX800A):

Cooling air temp 25C

800W plate dissipation - 20 CFM sea level and 25 CFM at 5000 feet.

Cooling air temp 50C

800W plate dissipation - 29 CFM sea level and 35 CFM at 5000 feet.

At 45 CFM for the fan I do not believe it is starving the blower which
being down stream is reducing, or even eliminating, any potential back
pressure which fans do not like working against. I have reused the
original metal mesh filter on the outside of the fan, not having a clip

on foam version.

The 24V fan supply in the 1000 is not regulated and there is an audible fan speed change when going from RX to TX. However, I have no idea what the actual voltage is when on RX or TX.

Regards,

Mike VP8NO

7073. Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-07 19:37:43 UTC
From: 19becca55@...
Topic: 7071 Message: 7073

Thanks, Mike. I had read in the manual that if running rtty to rest every 15 minutes unless running auxiliary fan.

7074. Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-07 21:08:38 UTC
From: 19becca55@...
Topic: 7071 Message: 7074

Mike, I ordered a 51.4 CFM 24 volt brushless fan. It is 2.4 watts. I heard that there holes in the circuit board labeled fan+ and fan- for mounting the fan. Is this correct?
Thanks, Richard wb6ewm

7075. Re: [acom-list] Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-07 22:44:20 UTC
From: Mike Harris
Topic: 7071 Message: 7075

Richard,

Not wishing to hijack Dirk's posting. The fan mounts where the filter is, on the outside of the case. There is a hole in the PCB for the fan wires to pass through to a small terminal block.

If needed I will email a picture and and fan fitting instructions from the Acom 1000 tech CD.

Regards,

Mike VP8NO

On 07/02/2016 18:08, 19becca55@... [acom-list] wrote:
> Mike, I ordered a 51.4 CFM 24 volt brushless fan. It is 2.4 watts. I heard that there holes in the circuit board labeled fan+ and fan- for mounting the fan. Is this correct?
> Thanks, Richard wb6ewm
>

7076. Re: [acom-list] Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-08 00:56:33 UTC
From: Richard
Topic: 7071 Message: 7076

Thanks Mike. I would greatly appreciate the photos and instructions.

Sent from my Verizon Wireless 4G LTE DROID

"Mike Harris mike.harris@horizon.co.fk [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
>Richard,
>
>Not wishing to hijack Dirk's posting. The fan mounts where the filter
>is, on the outside of the case. There is a hole in the PCB for the fan
>wires to pass through to a small terminal block.
>
>If needed I will email a picture and and fan fitting instructions from
>the Acom 1000 tech CD.
>
>Regards,
>
>Mike VP8NO
>
>On 07/02/2016 18:08, 19becca55@gmail.com [acom-list] wrote:
>> Mike, I ordered a 51.4 CFM 24 volt brushless fan. It is 2.4 watts. I heard that there holes in the circuit board labeled fan+ and fan- for mounting the fan. Is this correct?
>> Thanks, Richard wb6ewm
>>
>
>
>
><!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; }

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7077. Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-08 09:55:16 UTC
From: pc2c@...
Topic: 7071 Message: 7077

http://www.pc2c.nl/acom.php http://www.pc2c.nl/acom.php

7078. Re: [acom-list] Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-08 13:50:25 UTC
From: Richard
Topic: 7071 Message: 7078

Thanks for the pictures.

Sent from my Verizon Wireless 4G LTE DROID

"pc2c@ziggo.nl [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
>http://www.pc2c.nl/acom.php
>
>
>
><!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace;

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7079. For Sale: Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-08 16:39:14 UTC
From: k5cjl@...
Topic: 7079 Message: 7079

Acom 1000 amp in great condition. Original manual included. Amp tested by Array Solutions.
Array Solutions will box and ship to new owner or local pick-up.
Used daily. No issues, full power on all bands. Second owner.
$2045 + shipping/Insurance. Photos on QRZ
No trades.

Thanks

Carl - K5CJL

7080. Re: [acom-list] Re: fan

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-09 22:35:54 UTC
From: Richard
Topic: 7071 Message: 7080

Mike, it worked out perfectly. I installed a switch for rtty. Took about 30 minutes after getting the parts.

Sent from my Verizon Wireless 4G LTE DROID

"Mike Harris mike.harris@horizon.co.fk [acom-list]" <acom-list@yahoogroups.com> wrote:

>
>
>Richard,
>
>Not wishing to hijack Dirk's posting. The fan mounts where the filter
>is, on the outside of the case. There is a hole in the PCB for the fan
>wires to pass through to a small terminal block.
>
>If needed I will email a picture and and fan fitting instructions from
>the Acom 1000 tech CD.
>
>Regards,
>
>Mike VP8NO
>
>On 07/02/2016 18:08, 19becca55@gmail.com [acom-list] wrote:
>> Mike, I ordered a 51.4 CFM 24 volt brushless fan. It is 2.4 watts. I heard that there holes in the circuit board labeled fan+ and fan- for mounting the fan. Is this correct?
>> Thanks, Richard wb6ewm
>>
>
>
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7081. Acom 1000 screen currant

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-10 02:41:01 UTC
From: vk3xq@...
Topic: 7081 Message: 7081

Hi what is the correct screen currant you should be running on an Acom 1000 or the max you should be using ?

Also Dose anyone know if there is a more complete manual other than the one supplied.

Best 73's

Rob VK3XQ

7082. Re: Acom 1000 screen currant

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-10 08:16:38 UTC
From: on4ct@...
Topic: 7081 Message: 7082

Rob

From the datasheets max screen dissipation is 15 Watts. I think Acom uses about 300 V on the screen so the max. current is then abt. 50 mA.

In the file section you will find a word doc. about the healty condx do use the 1000 amp. This amps trips at 80 mA in the screen, normally the screen current will vary between 10 a 30 mA.
The more screen current results in non wanted harmonics in Rf spectrum.

73
Dirk
on4ct

7083. Re: Acom 1000 screen current

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-10 16:02:47 UTC
From: d48806
Topic: 7083 Message: 7083

Please see attached word doc for some really good supplemental info I found.

If you want good tube life, it's best to keep screen current under 20mA.
With proper tuning, it should rarely exceed 10mA.

[Non-text portions of this message have been removed]

7084. Acom 1010 Preventing Blocked Airflow - rambling thoughts

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-11 17:34:11 UTC
From: garfieldbill700@...
Topic: 7084 Message: 7084

Having recently suffered through the embarrassment, expense and inconvenience of losing a tube due to accidentally blocked air flow (inadvertently laying something on top of the amplifier, covering the discharge air vent), I've been mulling over what the options might be to prevent a recurrence.

Acom does not provide any airflow or over-temperature detection and shutdown capability on the 1010. It won't even shut down if the blower quits altogether. There's also little you can do in the way of auxiliary cooling short of laying a muffin fan on top. What's the life expectancy of the little squirrel cage blower in the 1010?

One thing I did think of was the idea of trimming down the silicone rubber "chimney", shortening it by a couple inches down to where it covers only the tube fins, thereby allowing the hot exhaust air to vent into the entire main chassis area and get forced out of the bottom vents in case the top vent stack gets blocked. In normal operation most of the heat will still go out through the top, but this idea seems plausible at least on the surface.

Others' thoughts?

73
WB9FOP.

7085. Re: [acom-list] Acom 1010 Preventing Blocked Airflow - rambling thoughts

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-11 18:22:59 UTC
From: Mike Harris
Topic: 7084 Message: 7085

I would have thought the simplest answer is not to put anything on top of the amp and blocking the hole. Venting into the box sounds like a very bad idea unless you want to convert it into a fan oven.

Regards,

Mike VP8NO

On 11/02/2016 14:34, garfieldbill700@... [acom-list] wrote:
> Having recently suffered through the embarrassment, expense and inconvenience of losing a tube due to accidentally blocked air flow (inadvertently laying something on top of the amplifier, covering the discharge air vent), I've been mulling over what the options might be to prevent a recurrence.
>
>
> Acom does not provide any airflow or over-temperature detection and shutdown capability on the 1010. It won't even shut down if the blower quits altogether. There's also little you can do in the way of auxiliary cooling short of laying a muffin fan on top. What's the life expectancy of the little squirrel cage blower in the 1010?
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>
> One thing I did think of was the idea of trimming down the silicone rubber "chimney", shortening it by a couple inches down to where it covers only the tube fins, thereby allowing the hot exhaust air to vent into the entire main chassis area and get forced out of the bottom vents in case the top vent stack gets blocked. In normal operation most of the heat will still go out through the top, but this idea seems plausible at least on the surface.
>
>
> Others' thoughts?
>
>
> 73
> WB9FOP.
>

7086. Re: [acom-list] Acom 1010 Preventing Blocked Airflow - rambling thoughts

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-11 18:28:01 UTC
From: Dean St. Hill
Topic: 7084 Message: 7086

As far as I am aware cutting the silicone chimney is a very very bad idea.

I would be more tempted to install some standoffs on the top in a way that prevents or minimises the possibility of a flat object blocking airflow again.

In the end though it would be best to simply recognise that you shouldn't put stuff on this amp. I have the A1000 (11+ years) and I just never rest anything on the amp. Simple and it works.

If need be relocate to somewhere that makes resting things on it a difficult proposition.

Hope that helps.

Dean 8P6SH

Dean St. Hill

Barbados.JustAskLocals.com
It's a big world. Travel smarter.

246-416-5277
246-825-2039 (mobile)

sent from my BLU smartphone
On Feb 11, 2016 1:34 PM, "garfieldbill700@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Having recently suffered through the embarrassment, expense and
> inconvenience of losing a tube due to accidentally blocked air flow
> (inadvertently laying something on top of the amplifier, covering the
> discharge air vent), I've been mulling over what the options might be to
> prevent a recurrence.
>
>
> Acom does not provide any airflow or over-temperature detection and
> shutdown capability on the 1010. It won't even shut down if the
> blower quits altogether. There's also little you can do in the way of
> auxiliary cooling short of laying a muffin fan on top. What's the life
> expectancy of the little squirrel cage blower in the 1010?
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> One thing I did think of was the idea of trimming down the silicone rubber
> "chimney", shortening it by a couple inches down to where it covers only

> the tube fins, thereby allowing the hot exhaust air to vent into the entire
> main chassis area and get forced out of the bottom vents in case the top
> vent stack gets blocked. In normal operation most of the heat will still
> go out through the top, but this idea seems plausible at least on the
> surface.
>
>
> Others' thoughts?
>
>
> 73
>
> WB9FOP.
>
>

7087. Re: [acom-list] Re: Acom 1000 screen current

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-11 18:52:25 UTC
From: Mike Harris
Topic: 7083 Message: 7087

Screen current in a tetrode is not necessarily a constant from tube to tube. When I was using 4CX5000A in commercial service, 7.5kW amps, Eimac supplied test data with each tube detailing optimum working conditions.

Screen current can vary so much that screen supplies should be designed to both source or sink current.

Regards,

Mike VP8NO

On 10/02/2016 13:02, 'd48806' d48806@... [acom-list] wrote:
> Please see attached word doc for some really good supplemental info I found.
>
>
> If you want good tube life, it's best to keep screen current under 20mA.
> With proper tuning, it should rarely exceed 10mA.

7088. Re: Acom 1010 Preventing Blocked Airflow - rambling thoughts

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-11 20:30:43 UTC
From: on4ct@...
Topic: 7084 Message: 7088

For to have a visual control of the air flow you can mount a 0,5 inch wide 4 inch long paper cut in
4 or 5 strips , leave abt 0,5 inch uncut at one end to glue it on the cover next to ventilation opening.
When the strips are covering about 3/4 of the opening in the cover, they will be dancing in the air flow.

with some experimenting with the dimension of the paper and number of strips cut, and even the colour of the paper you will have a very good checkpoint on one eye catch.

For twin tubes amps, you can put the papers on each other and so you will cut the same stripes, you are able to check the air flow in each of the tubes.
Equal airflow means equal dancing.

73
Dirk
on4ct

7089. Re: Acom 1010 Preventing Blocked Airflow - rambling thoughts

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-12 04:20:10 UTC
From: garfieldbill700@...
Topic: 7084 Message: 7089

Thanks all.

The "attraction" is the fact that it's a large, flat surface which we all know tends to attract clutter. My mistake was coming into the shack in the dark and not turning on any lights, as I often do late at night. The computer screen is usually enough light to work by and the amp sits off in a corner off of my left shoulder. But for the flickering LEDs it was otherwise out of sight. Lesson learned, though it does serve to point out additional features of the 1000 that were shaved from the 1010 build sheet. At least the amp wasn't hurt, and a new tube was all it needed..

7090. Acom 1000 moderfing Fan from 92mm to 120mm High Flow

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-12 06:06:54 UTC
From: vk3xq@...
Topic: 7090 Message: 7090

I have see a lot of talking about fitting a external fan's, I had fitted a 90mm fan to my Acom 1000 with the wire mesh fitted over it, but when using digital mode even with low power things were getting HOT after a long section of txing , I could not understand why Acom could not have fitted a 120mm fan as there is a greater choice to pick from.

I thought about how I could fit one, I was thinking about bending up some thing to do the job.
And then I thought about some thing in PVC pluming bit's, I went to my local hardware shop, I went through all there bit's and picked out all that I thought I would NEED as I am 15 kms away it cost me $62.00.

I went home and believe it I only need 4 bit's.

1 Was a PVC shower waist approx. 92mm square top to a 90mm round bottom It was almost a perfect fit I only had to file it a bit for the fuse and a screw head I used the 92mm mesh to mark the holes.

2 A 90mm to 100mm PVC adaptor

3 A 100mm flange round to fit over a the 90mm to 100mm adapter.

4 a small bit of 90mm PVC pipe.

First thing I took the plastic insert out of the shower waist drilled it to fit the Acom 1000 I use 4 self cutting screws so I don't have to remove the cover for any other work to be done, then I used PVC and glued the flange to the 100mm to 90mm adapter, to get the flange in the place I wanted I used a bity of 100mm PVC pipe.
Once glue set I mounted the 120mm fan on the flange marked around the fan and cut of the bit's to make it square, I drilled the flange and screw the fan on.

The only other thing I had to do is cut a small bit of 90mm PVC pipe to fit between the shower waist and the 100mm and 90mm adapter, I can pull the fan off at anytime just by twisting it, I use an external power supply it suits me

Once I had the bit's it only took about 1 hour

Photo are available if you want more INFO just email me

PS Tanks to those who sent me info on Screen currant on the Acom 1000

7091. RE: [acom-list] Re: Acom 1000 screen currant

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-14 11:47:52 UTC
From: Kees - pa7two
Topic: 7081 Message: 7091

Actually, you want none to a very very minimal amount of screen current to be flowing if you really care about your tube.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Wed, 10 Feb 2016 00:16:38 -0800
Subject: [acom-list] Re: Acom 1000 screen currant

Rob

From the datasheets max screen dissipation is 15 Watts. I think Acom uses about 300 V on the screen so the max. current is then abt. 50 mA.

In the file section you will find a word doc. about the healty condx do use the 1000 amp. This amps trips at 80 mA in the screen, normally the screen current will vary between 10 a 30 mA.
The more screen current results in non wanted harmonics in Rf spectrum.

73
Dirk
on4ct

7092. A600s Relays

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-14 14:44:51 UTC
From: hsl@...
Topic: 7092 Message: 7092

I found the a600s to be a really nice amplifier -except- for the T/R relay noise. Very annoying.
Anybody else notice this?
Harvey, W8DX

7093. RE: [acom-list] Re: Acom 1000 screen current

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-14 15:22:01 UTC
From: d48806
Topic: 7083 Message: 7093

Correct!! The guys at Array Solutions told me that also - less is best
!!

Screen current goes up quickly with excessive drive and/or incorrect amp
tuning.

7094. Re: [acom-list] A600s Relays

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-14 16:17:18 UTC
From: Andre VanWyk
Topic: 7092 Message: 7094

Nope. I own two and the relay noise is not very noticeable here. Unless I turn the radio volume down.

73
NJ0F

Sent from my iPad

> On Feb 14, 2016, at 8:44 AM, hsl@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I found the a600s to be a really nice amplifier -except- for the T/R relay noise. Very annoying.
> Anybody else notice this?
> Harvey, W8DX
>
>
>
>
>

7095. Acom 2000A Question?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-22 21:46:22 UTC
From: <k2qmf@...>
Topic: 7095 Message: 7095

Hello All,

I had an issue with my 2000A over the
contest weekend!

After changing bands a number of times
I found that the output power was going down!
I had to do an auto retune on each band to get
the power back to normal!

Today (Monday) when I turned on the amp I found
that the power was down again and I had to auto retune
each band to get it back to full power!!!

Any ideas or suggestions very much appreciated....

73,
Ted K2QMF

_____
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http://thirdpartyoffers.juno.com/TGL3141/56cb81f76b7931f74b2est02vuc

7096. Re: [YCCC] Acom 2000A Question?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-22 21:54:43 UTC
From: Barry N1EU
Topic: 7096 Message: 7096

FWIW, it is not unusual for me to do 5-10 retunes (total) during the course
of a weekend.

73, Barry N1EU

On Mon, Feb 22, 2016 at 9:46 PM, <k2qmf@juno.com> wrote:

> Hello All,
>
> I had an issue with my 2000A over the
> contest weekend!
>
> After changing bands a number of times
> I found that the output power was going down!
> I had to do an auto retune on each band to get
> the power back to normal!
>
> Today (Monday) when I turned on the amp I found
> that the power was down again and I had to auto retune
> each band to get it back to full power!!!
>
> Any ideas or suggestions very much appreciated....
>
> 73,
> Ted K2QMF
>
> _____
> Citi® Double Cash Card
> Earn Cash Back Twice on Purchases Earn 1% When You Buy, 1% As You Pay
> http://thirdpartyoffers.juno.com/TGL3141/56cb81f76fd521f761f6st04vuc
>
> _____
> YCCC Reflector mailto:yccc@...
> Yankee Clipper Contest Club http://www.yccc.org
> Reflector Info: http://lists.contesting.com/mailman/listinfo/yccc
>
>
>

7097. Acom 2000a Arc Faults

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 05:02:47 UTC
From: Kenneth Waites K5WK
Topic: 7097 Message: 7097

I have seen Arc Faults when using my beam on 14 Mhz when output is a KW or more.
I have not seen it on other antennas, and it seems to come and go, but now its bothering me.
In the past I have found something like slightly loose coax connections that caused this.
This time I can find nothing.
I use an RCS10 switch at the tower. I replaced it thinking maybe it was arching. LMR400 comes to the
shack from the tower and is used with all antennas. I have the coax connection to the antenna in heat shrink,
so I rate that being a problem as pretty low.
Could there be some kind of flash in one of the tubes? They are about 10 years old.
Any other things you might have experienced?
73
Ken K5WK kenw817821@...

7098. Re: [acom-list] Acom 2000a Arc Faults

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 09:56:29 UTC
From: Callum the Web Boss
Topic: 7097 Message: 7098

Ken, the connection at the 14mhz antenna feedpoint is solid? Is the fault in any way related to weather? I say this because my 40m dipole does the same occasionally when it's very wet. I'm trying to think up a solution.

Callum McCormick
M0MCX

On this dastardly iPhone!

On 23 Feb 2016, at 05:06, Kenneth Waites K5WK kenw817821@...<mailto:kenw817821@...> [acom-list] <acom-list@yahoogroups.com<mailto:acom-list@yahoogroups.com>> wrote:

I have seen Arc Faults when using my beam on 14 Mhz when output is a KW or more.
I have not seen it on other antennas, and it seems to come and go, but now its bothering me.
In the past I have found something like slightly loose coax connections that caused this.
This time I can find nothing.
I use an RCS10 switch at the tower. I replaced it thinking maybe it was arching. LMR400 comes to the
shack from the tower and is used with all antennas. I have the coax connection to the antenna in heat shrink,
so I rate that being a problem as pretty low.
Could there be some kind of flash in one of the tubes? They are about 10 years old.
Any other things you might have experienced?
73
Ken K5WK kenw817821@...<mailto:kenw817821@hotmail.com>

7099. RE: [acom-list] Acom 2000A Question?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 11:14:28 UTC
From: Martin Huml
Topic: 7095 Message: 7099

Hi Ted,
It happened to me in the past - it was loose screw in the mechanics of tuning. Also hair or dust in the optocoupler area can cause similar problems.
73!
Martin, OL5Y

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Monday, February 22, 2016 10:46 PM
To: acom-list@yahoogroups.com; yccc@...
Subject: [acom-list] Acom 2000A Question?

Hello All,

I had an issue with my 2000A over the
contest weekend!

After changing bands a number of times
I found that the output power was going down!
I had to do an auto retune on each band to get the power back to normal!

Today (Monday) when I turned on the amp I found that the power was down
again and I had to auto retune each band to get it back to full power!!!

Any ideas or suggestions very much appreciated....

73,
Ted K2QMF

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http://thirdpartyoffers.juno.com/TGL3141/56cb81f76b7931f74b2est02vuc

---

Yahoo Groups Links

7100. Re: [acom-list] Acom 2000a Arc Faults

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 13:39:47 UTC
From: Brent Rosenberg
Topic: 7097 Message: 7100

Ken, are you using an RCU? If so, by chance do you use an extension RS 232 cable? I had the same issue on 17 and replaced the cheap, computer RS 232 extension cable I was using with a double shielded cable from L-Com and grounded the RCU. That took care of it. It was RFI feeding back to the Amp and causing a false fault indicator. If its just on one band, it suggests that RFI and something being resonant is at the root of the problem. In my case it was a combination of the cheap extension cable, the overall length and the ungrounded RCU.

Good Luck,

Brent WA0VY
-----Original Message-----
From: "Kenneth Waites K5WK kenw817821@... [acom-list]"
<acom-list@yahoogroups.com>
To: "acom-list@yahoogroups.com" <acom-list@yahoogroups.com>
Date: Mon, 22 Feb 2016 23:02:47 -0600
Subject: [acom-list] Acom 2000a Arc Faults

I have seen Arc Faults when using my beam on 14 Mhz when output is a KW or more.
I have not seen it on other antennas, and it seems to come and go, but now its bothering me.
In the past I have found something like slightly loose coax connections that caused this.
This time I can find nothing.
I use an RCS10 switch at the tower. I replaced it thinking maybe it was arching. LMR400 comes to the
shack from the tower and is used with all antennas. I have the coax connection to the antenna in heat shrink,
so I rate that being a problem as pretty low.
Could there be some kind of flash in one of the tubes? They are about 10 years old.
Any other things you might have experienced?
73
Ken K5WK kenw817821@... [mailto:kenw817821@...]

7101. Re: Acom 2000A Question?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 17:04:58 UTC
From: Jay Terleski
Topic: 7095 Message: 7101

One cause of power changing and the need to re-tune as well as having different drive levels on different bands is the cathodic resistors in older 2000a amps have become aged and they are changing value, even as they heat up in use.

Replacing them is recommended. Older amps used 2 resistors (if memory serves), we change them with new ones with higher wattage vlues and also use 3 in parallel. But the ultimate value is the same as in the schematic for 2 in parallel.

We offer this as a service for older ACOM amps as well as recapping and restoration to original specs.

Jay, WX0B - Array Solutions

Jay Terleski
President
Array Solutions
214 954 7140

7102. Re: [YCCC] Acom 2000A Question?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 17:07:19 UTC
From: Jay Terleski
Topic: 7096 Message: 7102

FWIW, it is not unusual for me to do 5-10 retunes (total) during the course of a weekend.

73, Barry N1EU

You should not need to unless your antennas are changing R and X Barry. My 1998 2000a is solid as a rock for each segment of each band.

I'd look at those cathodic resistors if your amp is old. Please report back.

Jay

Jay Terleski
President
Array Solutions
214 954 7140

7103. RE: [YCCC] Acom 2000A Question?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-23 18:21:11 UTC
From: Dick Green WC1M
Topic: 7096 Message: 7103

A possible cause of this is the plate shaft slipping on one or both tuning caps. There's a nut at the rear of the shaft that can loosen over time. If it's too loose, the shaft still moves but when the motor stops the momentum can carry the plates past the stopping point. The motor has no internal brake, so it can't stop the extra movement. The movement can occur randomly, so sometimes you have to retune and sometimes you don't.

The solution is to tighten the nut by degrees until the shaft stops when the motor stops still but moves freely when the motor activates. As usual, ALWAYS UNPLUG THE AMP AND DEFEAT THE INTERLOCKS BEFORE ATTEMPTING ANY REPAIRS.

FWIW, I had the problem with my 2000A, which is an older model. Stan from the factory thought it might have been a problem with the motors, which had been updated. He sent me new motors, but the instructions also pointed out that the nut at the rear of the tuning cap shafts should be checked. The nut on the bottom tuning cap was definitely loose, which I think was the real cause of the problem (don't know for sure because by the time I checked it I had replaced the motors!) Since then, I've had a few random instances of tuning loss, which I think means the nut needs to be tightened again.

Hope this helps.

73, Dick WC1M

-----Original Message-----
From: Barry N1EU [mailto:barry.n1eu@...]
Sent: Monday, February 22, 2016 4:55 PM
To: acom-list@yahoogroups.com; yccc@...
Subject: Re: [YCCC] Acom 2000A Question?

FWIW, it is not unusual for me to do 5-10 retunes (total) during the course of a weekend.

73, Barry N1EU

On Mon, Feb 22, 2016 at 9:46 PM, <k2qmf@juno.com> wrote:

> Hello All,
>
> I had an issue with my 2000A over the
> contest weekend!
>
> After changing bands a number of times I found that the output power
> was going down!
> I had to do an auto retune on each band to get the power back to
> normal!
>
> Today (Monday) when I turned on the amp I found that the power was
> down again and I had to auto retune each band to get it back to full
> power!!!

>
> Any ideas or suggestions very much appreciated....
>
> 73,
> Ted K2QMF
>
> ---
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> http://thirdpartyoffers.juno.com/TGL3141/56cb81f76fd521f761f6st04vuc
>
> --
> YCCC Reflector mailto:yccc@... Yankee Clipper Contest Club
> http://www.yccc.org Reflector Info:
> http://lists.contesting.com/mailman/listinfo/yccc
>
>
>

7104. Acom 2000A Question - retune

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-24 00:52:40 UTC
From: John Walker
Topic: 7104 Message: 7104

My amp is older vintage as well and I never have to retune. It’s legal limit on all bands.

I didn’t think that I needed to retune ever.

73-
W1JCW
John

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Tuesday, February 23, 2016 11:07 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: [YCCC] Acom 2000A Question?

FWIW, it is not unusual for me to do 5-10 retunes (total) during the course
of a weekend.

73, Barry N1EU

You should not need to unless your antennas are changing R and X Barry.
My 1998 2000a is solid as a rock for each segment of each band.

I'd look at those cathodic resistors if your amp is old. Please report back.

Jay
[https://docs.google.com/uc?export=download&id=0BxrUBkEpt1WrU0ZXcjVhVXFTLTg&revid=0BxrUBkEpt1WrcnFyaDlqRUNoNXVwTlUrZnNDTTE3cDFrN3hFPQ]
Jay Terleski
President
Array Solutions
214 954 7140

7105. ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 12:31:15 UTC
From: Jim Lawrence
Topic: 7105 Message: 7105

OK I have searched the archives and I know these screws are a problem. I don't see any definitive information for a source, size, etc. Can someone point me to a source for the screws used to secure the top cover on the Acom 2000A?

These are an unusual black metric Phillips head screw with a washer-like collar on the screw head.

I have lost, stripped, or broken a few of them over the years and would like to stock up on some original replacements.

Thanks and 73

Jim Lawrence W7CT

7106. Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 14:22:17 UTC
From: drew@...
Topic: 7105 Message: 7106

Hi Jim,

We all run into this and I bought a large (minimum lot) bag to address it. If you send a SASE to my callbook address, I can send you a few free. How many do you need?

73,
Drew K3PA

7107. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 14:27:24 UTC
From: Terry Burbidge
Topic: 7105 Message: 7107

Drew,

A kind offer. However, I think the wider audience would like to know from where you bought yours. Also, does anyone have the same details for the self-clinching nuts?

Cheers,

Terry/G4MKP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 25 February 2016 14:22
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 2000A Cabinet Screws

Hi Jim,

We all run into this and I bought a large (minimum lot) bag to address it. If you send a SASE to my callbook address, I can send you a few free. How many do you need?

73,

Drew K3PA

7108. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 14:29:21 UTC
From: drew@...
Topic: 7105 Message: 7108

I found mine on Amazon, shipped from China. Minimum quantity 500.

---In acom-list@yahoogroups.com, <terryburbidge@...> wrote :

Drew,

A kind offer. However, I think the wider audience would like to know from where you bought yours. Also, does anyone have the same details for the self-clinching nuts?

Cheers,
Terry/G4MKP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 25 February 2016 14:22
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 2000A Cabinet Screws

Hi Jim,

We all run into this and I bought a large (minimum lot) bag to address it. If you send a SASE to my callbook address, I can send you a few free. How many do you need?

73,

Drew K3PA

7109. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 14:51:31 UTC
From: Terry Burbidge
Topic: 7105 Message: 7109

Size? Part no?

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 25 February 2016 14:29
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Re: ACOM 2000A Cabinet Screws

I found mine on Amazon, shipped from China. Minimum quantity 500.

---In acom-list@yahoogroups.com, <terryburbidge@...> wrote :

Drew,

A kind offer. However, I think the wider audience would like to know from where you bought yours. Also, does anyone have the same details for the self-clinching nuts?

Cheers,

Terry/G4MKP

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: 25 February 2016 14:22
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: ACOM 2000A Cabinet Screws

Hi Jim,

We all run into this and I bought a large (minimum lot) bag to address it. If you send a SASE to my callbook address, I can send you a few free. How many do you need?

73,

Drew K3PA

7110. ACOM 2000 for sale in Norway

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 14:49:37 UTC
From: ragnar otterstad
Topic: 7110 Message: 7110

I have decided that I don't need more than one amplifier.
Any LAs here wanting a 2000 ?
73 Rag LA5HE

7111. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-25 16:58:47 UTC
From: drew@...
Topic: 7105 Message: 7111

Neither was documented. I took a shot at what looked close and scored.

7112. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-27 11:15:52 UTC
From: terryburbidge@...
Topic: 7105 Message: 7112

Drew,

When you shot and scored, what size did you order? What was on the delivery note/container/bag?

7113. Acom 2000a For Sale

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-27 23:30:52 UTC
From: lkellar@...
Topic: 745 Message: 7113

I have an Acom 2000a legal limit no tune amplifier. The unit functions 100% producing legal limit with about 40-45 watts drive depending on the band selected. I am the 2nd owner of this amp and it comes from a smoke free environment. It has the original style remote which was replaced under the factory warranty, so sorry no matching serial numbers :-(I am asking $4200 and would prefer not to ship. I can deliver within a couple hundred miles of Beaumont, Tx
The reason I am selling this amp is to pay for my new Expert Linear 2K-FA. Please call me at 4093519228 if you have any questions. I might consider a trade for a smaller solid state amp ie: KPA-500 OR ACOM 600S. I can possibly deliver to the Orange, Rayne, or Rosenberg hamfest. Thanks Lawrence KB5ZZB

7114. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-02-29 15:37:39 UTC
From: drew@...
Topic: 7105 Message: 7114

I don't have any other information on sizing; they were only noted as computer screws. You'd need to caliper one of your existing screws for more info. I suspect that they are M2 or M2.5 and whatever length. Black, washer head.

73,
Drew K3PA

7115. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-01 07:47:26 UTC
From: dh7lk@...
Topic: 7105 Message: 7115

M3 x 6

73, DH7LK

7116. RE: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-01 08:29:56 UTC
From: Terry Burbidge
Topic: 7105 Message: 7116

Thank you

Cheers,

Terry/G4MKP

M3 x 6

73, DH7LK

7117. Re: [acom-list] Re: ACOM 2000A Cabinet Screws

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-01 14:55:37 UTC
From: Jim Idelson
Topic: 7105 Message: 7117

Had a feeling this was not magic.

2016-03-01 2:47 GMT-05:00 dh7lk@... [acom-list] <
acom-list@yahoogroups.com>:

>
>
> M3 x 6
>
>
> 73, DH7LK
>
>
>
>

--
--
73 Jim K1IR

7118. Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 13:50:25 UTC
From: ab4bj@...
Topic: 7118 Message: 7118

I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.

Thanks.

7119. Re: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 14:57:04 UTC
From: Andre VanWyk
Topic: 7118 Message: 7119

Hi Adam,

Acom's authorized service center is:

ACOM Service Center - AVSL
829 Lynnhaven Parkway
Suite 128
Virginia Beach, VA 23452-7224
(757) 340-7143

Or

Array Solutions also still service Acom amps, although they don't sell them anymore.

73's
Andre
NJ0F

Sent from my iPad

> On Mar 5, 2016, at 7:50 AM, ab4bj@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.
>
> Thanks.
>
>
>

7120. Re: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 15:33:23 UTC
From: Bob Olschwang
Topic: 7118 Message: 7120

DX Engineering is also an authorized Acom service center.

Sent from my iPad

7121. Re: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 16:17:36 UTC
From: Andre VanWyk
Topic: 7118 Message: 7121

Didn't know that Bob. Thanks for sharing.

NJ0F

Sent from my iPad

> On Mar 5, 2016, at 9:33 AM, Bob Olschwang radiok7jq@... [acom-list]
<acom-list@yahoogroups.com> wrote:
>
> DX Engineering is also an authorized Acom service center.
>
> Sent from my iPad
>

7122. Re: Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 16:51:35 UTC
From: ab4bj@...
Topic: 7118 Message: 7122

Thanks for the reply, although my name is Bill! :)

I'll give these places a call and see what they say.

73

7123. Re: [acom-list] Re: Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 16:59:20 UTC
From: Andre VanWyk
Topic: 7118 Message: 7123

My apologies Bill. This is what happens if you don't use your cheaters!
73
NJ0F

Sent from my iPhone

> On Mar 5, 2016, at 10:51 AM, ab4bj@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Thanks for the reply, although my name is Bill! :)
>
> I'll give these places a call and see what they say.
>
> 73
>

7124. Re: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 18:32:00 UTC
From: Robert De Forge
Topic: 7118 Message: 7124

Array Solution performs repairs on Acom amps

73
Bobby KC2BBI

Sent from my iPod

> On Mar 5, 2016, at 8:50 AM, "ab4bj@... [acom-list]" <acom-list@yahoogroups.com> wrote:
>
>
>
> I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.
>
> Thanks.
>
>
>
>
>

7125. RE: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 18:44:44 UTC
From: Bill
Topic: 7118 Message: 7125

Does anyone know if they will repair the ACOM 2000sw antenna switch? Hard to believe that I would lose two ports..

WX6B

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:32 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom Repair

Array Solution performs repairs on Acom amps

73

Bobby KC2BBI

Sent from my iPod

On Mar 5, 2016, at 8:50 AM, "ab4bj@... [acom-list]" <acom-list@yahoogroups.com> wrote:

I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.

Thanks.

7126. RE: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 18:57:14 UTC
From: Brent Rosenberg
Topic: 7118 Message: 7126

I'm sure they would since they continue to provide warranty service on Acom products they sold. They have a great amp service tech as well.

Brent WA0VY
-----Original Message-----
From: "'Bill ' billys95404@... [acom-list]"
<acom-list@yahoogroups.com>
To: <acom-list@yahoogroups.com>
Date: Sat, 5 Mar 2016 10:44:44 -0800
Subject: RE: [acom-list] Acom Repair

Does anyone know if they will repair the ACOM 2000sw antenna switch? Hard to believe that I would lose two ports..
WX6B

From:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:32 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom Repair

Array Solution performs repairs on Acom amps

73
Bobby KC2BBI

Sent from my iPod
On Mar 5, 2016, at 8:50 AM, "ab4bj@... [mailto:ab4bj@...]
[acom-list]" <acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]>
wrote:
I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.

Thanks.

7127. RE: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 18:58:40 UTC
From: Bill
Topic: 7118 Message: 7127

Thanks Brent. Which location do you recommend that I send it to?

Bill

WX6B

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:57 AM
To: 'Bill ' billys95404@... [acom-list]
Subject: RE: [acom-list] Acom Repair

I'm sure they would since they continue to provide warranty service on Acom products they sold. They have a great amp service tech as well.

Brent WA0VY

-----Original Message-----
From: "'Bill ' billys95404@... [acom-list]" <acom-list@yahoogroups.com>
To: <acom-list@yahoogroups.com>
Date: Sat, 5 Mar 2016 10:44:44 -0800
Subject: RE: [acom-list] Acom Repair

Does anyone know if they will repair the ACOM 2000sw antenna switch? Hard to believe that I would lose two ports..

WX6B

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:32 AM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom Repair

Array Solution performs repairs on Acom amps

73

Bobby KC2BBI

Sent from my iPod

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I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.

Thanks.

7128. RE: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 19:06:18 UTC
From: Brent Rosenberg
Topic: 7118 Message: 7128

Bill, only aware of one location and that's in Dallas. Call Jay Terelski or David. They'll take care of it and do a good job.

Brent WA0VY
-----Original Message-----
From: "'Bill ' billys95404@... [acom-list]" <acom-list@yahoogroups.com>
To: <acom-list@yahoogroups.com>
Date: Sat, 5 Mar 2016 10:58:40 -0800
Subject: RE: [acom-list] Acom Repair

Thanks Brent. Which location do you recommend that I send it to?
Bill
WX6B

From:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:57 AM
To: 'Bill ' billys95404@... [acom-list]
Subject: RE: [acom-list] Acom Repair

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Brent WA0VY
-----Original Message-----
From: "'Bill ' billys95404@... [mailto:billys95404@...] [acom-list]" <acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]>
To: <acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]>
Date: Sat, 5 Mar 2016 10:44:44 -0800
Subject: RE: [acom-list] Acom Repair
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WX6B

From:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com] [mailto:acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]]
Sent: Saturday, March 05, 2016 10:32 AM
To: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Subject: Re: [acom-list] Acom Repair

Array Solution performs repairs on Acom amps

73
Bobby KC2BBI

Sent from my iPod
On Mar 5, 2016, at 8:50 AM, "ab4bj@... [mailto:ab4bj@...]

[acom-list]" <acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]>
wrote:
I would appreciate recommendations for Acom repair. My 1010 is blowing
internal fuses and I need to have it checked.

Thanks.

7129. RE: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 19:26:14 UTC
From: Bill
Topic: 7118 Message: 7129

Thanks Brent

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 11:06 AM
To: 'Bill ' billys95404@yahoo.com [acom-list]
Subject: RE: [acom-list] Acom Repair

Bill, only aware of one location and that's in Dallas. Call Jay Terelski or David. They'll take care of it and do a good job.

Brent WA0VY

-----Original Message-----
From: "'Bill ' billys95404@... [acom-list]" <acom-list@yahoogroups.com>
To: <acom-list@yahoogroups.com>
Date: Sat, 5 Mar 2016 10:58:40 -0800
Subject: RE: [acom-list] Acom Repair

Thanks Brent. Which location do you recommend that I send it to?

Bill

WX6B

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:57 AM
To: 'Bill ' billys95404@... [acom-list]
Subject: RE: [acom-list] Acom Repair

I'm sure they would since they continue to provide warranty service on Acom products they sold. They have a great amp service tech as well.

Brent WA0VY

-----Original Message-----
From: "'Bill ' billys95404@... [acom-list]" <acom-list@...m>
To: <acom-list@yahoogroups.com>
Date: Sat, 5 Mar 2016 10:44:44 -0800
Subject: RE: [acom-list] Acom Repair

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WX6B

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Saturday, March 05, 2016 10:32 AM
To: acom-list@yahoogroups.com

Subject: Re: [acom-list] Acom Repair

Array Solution performs repairs on Acom amps

73

Bobby KC2BBI

Sent from my iPod

On Mar 5, 2016, at 8:50 AM, "ab4bj@... [acom-list]" < acom-list@yahoogroups.com <mailto:acom-list@yahoogroups.com> > wrote:

I would appreciate recommendations for Acom repair. My 1010 is blowing internal fuses and I need to have it checked.

Thanks.

7130. RE: [acom-list] Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-05 21:42:36 UTC
From: Jim Idelson
Topic: 7118 Message: 7130

What's wrong with your switch? Little blue capacitors are a common point of failure.

On March 5, 2016 1:44:44 PM EST, "'Bill ' billys95404@... [acom-list]"
<acom-list@yahoogroups.com> wrote:
>Does anyone know if they will repair the ACOM 2000sw antenna switch?
>Hard to believe that I would lose two ports..
>
>WX6B
>
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>
>From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
>Sent: Saturday, March 05, 2016 10:32 AM
>To: acom-list@yahoogroups.com
>Subject: Re: [acom-list] Acom Repair
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>On Mar 5, 2016, at 8:50 AM, "ab4bj@... [acom-list]"
><acom-list@yahoogroups.com> wrote:
>
>I would appreciate recommendations for Acom repair. My 1010 is blowing
>internal fuses and I need to have it checked.
>
>
>
>Thanks.
>
>

--
Sent from my Android device with K-9 Mail. Please excuse my brevity.

7131. Re: Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-06 00:23:28 UTC
From: garfieldbill700@...
Topic: 7118 Message: 7131

Assuming you're out of warranty and depending on your skill level and willingness to do a little poking around, the problem could be something as simple as a shorted tube. There's also some good docs in the files section here showing common areas of failure and what to look for inside. Acom will even send you the parts. An inexpensive source for a pre-tested tube is Vine Antennas in the UK (an Acom dealer & service center themsleves). The tube is approx $225 from Vine ($160 British Pounds) & takes approx 2 weeks to arrive. Fuses can be obtained from Mouser or from Fry's Electronics.

73 - Bill - WB9FOP

7132. Re: [acom-list] Re: Acom Repair

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-06 10:20:29 UTC
From: dxbuster
Topic: 7118 Message: 7132

Agree. You may try at least a simple unplugged troubleshooting if you are not ready for more. Read the ACOM 1010 files. Check the fuses current and time lag. Sometimes the fuses blow only because the are faster than needed. A broken down blue coin capacitor could be the short circuit culprit. Look every one for an unusual sign. Remove the tube and give the ACOM a try with no tube. Then get either a new tube or a new transformer.

2016-03-06 2:23 GMT+02:00 garfieldbill700@... [acom-list] <acom-list@yahoogroups.com>:

>
>
> Assuming you're out of warranty and depending on your skill level and
> willingness to do a little poking around, the problem could be something as
> simple as a shorted tube. There's also some good docs in the files
> section here showing common areas of failure and what to look for inside.
> Acom will even send you the parts. An inexpensive source for a pre-tested
> tube is Vine Antennas in the UK (an Acom dealer & service center
> themsleves). The tube is approx $225 from Vine ($160 British Pounds) &
> takes approx 2 weeks to arrive. Fuses can be obtained from Mouser or from
> Fry's Electronics.
>
> 73 - Bill - WB9FOP
>
>

7133. Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 15:14:48 UTC
From: spikepost@...
Topic: 7133 Message: 7133

Hi guys.
My Acom 1000 was ok first thing this morning, but after lunch. when I turned it back on, it decided to show a protection code fault of PN04.
I had a brief chat with the supplier in the UK here (the amp is several years old), and on his advice, opened her up, disconnected the HT supply (yellow lead), and fired it up again.
Still the same fault code.
His only suggestion was that it was a "logic board fault", or maybe the mains psu.
The amp does not go into countdown etc, simply flashes the fault code.
Anyone come across this code at all ??
I don't really want to give a dealer an "open cheque", to spend weeks finding a fault, with the associated large bill, without an idea of what the fault MIGHT be !
Oh, he also reckons the fault codes are nexr to useless !
Any advice / suggestions gratefully received.
73
Spike - G0CVL

7134. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 15:20:33 UTC
From: bill.8@...
Topic: 7133 Message: 7134

Hi Spike,

having recently diagnosed a nasty fault on my ACOM 1000 :(I am pretty familiar with fault finding on these fine amplifiers so I may be able to help. What is the full fault code?

73
Bill
G4WJS.

7135. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 16:31:37 UTC
From: spikepost@...
Topic: 7133 Message: 7135

Hi Bill, thanks for the prompt reply ! The full fault code is :-
1APN04 000000 0D0000
I'm slightly suprised by this appearing, as the amp has been in use for some 3 years here (although it is older than that), and bar a bit of tweaking now and again (new tube etc) has been faultless.
I was also a bit disappointing to learn the fault codes are virtually worthless !
Thanks again, and any advise welcome.
Cheers
Clive - G0CVL

7136. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 16:37:04 UTC
From: bill.8@...
Topic: 7133 Message: 7136

On 09/03/2016 16:31, spikepost@yahoo.co.uk [acom-list] wrote:

The full fault code is :-
1APN04 000000 0D0000
Hi Spike,

that is only half of the full fault code, there is a second line starting 1B which you get by pressing "NEXT".

73
Bill
G4WJS.

7137. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 17:21:32 UTC
From: spikepost@...
Topic: 7133 Message: 7137

Hi Bill. OH DEAR !
Having pressed next, I've got a list as long as your arm !!
As follows :-
1APN04 000000 140000
1B0094 0400DD DF6E48
2APN04 000000 130000
2B0093 0400DD DF6E48
3APN04 000000 110000
3B0094 0400DD DF6E4D
4APN04 000000 100000
4B0094 0400DD DF6EC4
5APN04 000000 100000
5B0094 0400DD DF6E4C
6APN04 000000 110000
6B0094 0400DD DF6E4D
7APN04 000000 100000
7B0095 0400DD DF6E4D

I'm starting to wish I'd never looked

Cheers

Clive - G0CVL

7138. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 17:38:13 UTC
From: bill.8@...
Topic: 7133 Message: 7138

Hi Spike,

the ACOM 1000 saves the last seven fault codes. Those are all basically the same. The one you first quoted was different from all of those. I suspect you have repeatedly induced the fault code and lost the original fault code from the amplifiers fault code memory. Did you record the full fault code for the first PN04 fault?

The fault is saying that it has detected a plate AC voltage greater than 40V during power up. A test with the valve removed would be interesting, for safety sake it is wise to remove the HV connection from the HV rectifier/filter module and tape it somewhere where it cannot drop back onto the HV rectifier/filter module that has lethal voltages present at all times.

Do not run the amplifier with HV disconnected and a valve fitted as that will destroy the valve.

ONLY DO THESE ANY TESTS WITH THE LID OFF IF YOU ARE COMFORTABLE AND EXPERIENCED WITH WORKING ON HIGH VOLTAGE DEVICES AND VALVE AMPLIFIERS. IF IN DOUBT DEFER TO AN EXPERT!

73
Bill
G4WJS.

7139. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 18:10:59 UTC
From: spikepost@...
Topic: 7133 Message: 7139

Hmmmm, interesting Bill. No, didn't save the first fault code, was to busy being puzzled to not mess about.
Likewise, the dealer recommended disconnecting the HT on the board rather than disconnecting the tube as well.
I've done that, so if the tube has gone, there's nothing I can do about that.
I have a spare tube, but obviously I don't want to risk that until I know a little more.
Ok, tomorrow, I'll disconnect the HT at the board again, AND pull the tube, and see what happens.
ARRRRGH all those screws in the PA cover again !!
I've changed the tube before Bill, so I'm ok with the procedure :-)

7140. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 18:43:56 UTC
From: bill.8@...
Topic: 7133 Message: 7140

Hi Spike,

the issue with no HV on the anode is that the valve can conduct with the screen grid acting as a substitute anode, it is not robust enough to pass significant current. Fortunately the fault code indicates a fault was detected before the HV transformer was switched on, it is switched on by the firmware using the two relays on the mains board and the associated soft start circuitry once the basic switch on checks have been completed.

I'm not sure how an excessive AC voltage on the plate circuit can occur before the heater/grid/plate voltages are present. The obvious candidate, to me, is a fault in the measuring circuit. A test without the valve and no plate voltage on the top of the plate capacitive divider, that still fails, would add evidence to to that conjecture. The plate AC voltage measuring circuit is quite complex starting at the plate voltage capacitive divider by the valve, continuing with rectifying and conditioning circuitry on the input board under the socket and finishing on the control board where the voltage is measured.

A fault on the control board on the path between the input signal 'aavi' and the measured signal 'paav' would be a good place to start looking if the measuring circuit is suspect.

73
Bill
G4WJS.

7141. Re: [acom-list] Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-09 19:45:19 UTC
From: ZL2AAA
Topic: 7133 Message: 7141

Somewhere in the back of a poor memory I seem to recall a problem with a 10meg or 1 meg going AWOL in the measuring department?Perhaps a search of the archives?Sorry I cannot be more specific.
73Morrie

From: mailto:acom-list@yahoogroups.com
Sent: Thursday, March 10, 2016 7:43 AM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 fault code

Hi Spike,

the issue with no HV on the anode is that the valve can conduct with the screen grid acting as a substitute anode, it is not robust enough to pass significant current. Fortunately the fault code indicates a fault was detected before the HV transformer was switched on, it is switched on by the firmware using the two relays on the mains board and the associated soft start circuitry once the basic switch on checks have been completed.

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73
Bill
G4WJS.

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

7142. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-11 22:14:18 UTC
From: dare_bomb@...
Topic: 7133 Message: 7142

Bill,

We've seen the lack of plate voltage on a 1000 cause the very issue you describe. It appeared as a "SCREEN FAULT." The Resistors that were mentioned were probably those used in the measurement circuit. We've come across the problem in a 1500 where R1a and R1b had failed. I'll post a picture of those resistors although mounted in a 1500. Will post to this group in the files section under "AVSL."

Also, the amplifiers can be somewhat input voltage sensitive, Meter your A/C and set the taps as close to your actual line voltage as possible V/S just using the 240V taps out of habit. Our voltage was a bit low a few months ago when testing a 1010 after repair. and I kept getting a Screen Voltage error. Checked the voltage which was close to 220VAC and the taps in the amplifier were set for 240VAC. Set the transformer taps to 220VAC and it powered up and worked just fine.

73
Chuck, K8HU
AVSL/KACE VA

---In acom-list@yahoogroups.com, <zl2aaa@...> wrote :

From: mailto:acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com
Sent: Thursday, March 10, 2016 7:43 AM
To: acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000 fault code

Hi Spike,

the issue with no HV on the anode is that the valve can conduct with the screen grid acting as a substitute anode, it is not robust enough to pass significant current. Fortunately the fault code indicates a fault was detected before the HV transformer was switched on, it is switched on by the firmware using the two relays on the mains board and the associated soft start circuitry once the basic switch on checks have been completed.

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A fault on the control board on the path between the input signal 'aavi' and the measured signal 'paav' would be a good place to start looking if the measuring circuit is suspect.

73
Bill

G4WJS.

This email has been sent from a virus-free computer protected by Avast.
www.avast.com https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient

7143. New file uploaded to acom-list

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-11 22:17:09 UTC
From: acom-list@yahoogroups.com
Topic: 318 Message: 7143

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the acom-list
group.

File : /AVSL/HV_R1A R1B.JPG
Uploaded by : chuck_rippel <dare_bomb@...>
Description : 1500 Measurement Resistors

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/acom-list/files/AVSL/HV_R1A%20R1B.JPG

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

chuck_rippel <dare_bomb@...>

7144. Re: Acom 1000 fault code

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-12 10:50:40 UTC
From: spikepost@...
Topic: 7133 Message: 7144

Thanks to all those who sent advice and thoughts, it was much appreciated. I received a return mail from Val at Acom, containing suggestions and pics etc.
As a result, the amp is sorted, and it turned out to be a dirty track on RP2 on the overlay board !
Anyway, thanks to all again, and it just confirms what a super company Acom is regards customer care and service.

Cheers

Clive - G0CVL

7145. Acom 1011 sudden failure - no RF out but no fault lights

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-12 23:39:31 UTC
From: C. J. Shelton
Topic: 7145 Message: 7145

Hoping someone can suggest a next step in diagnosing my Acom 1011. This amp was working as it should for the two years I've owned it until about two weeks ago, when the two fuses on the back of the amp blew.

On replacing those fuses, the amp powered back up, but no longer amplified. No fault lights lit, but I can get no indication of any power out on the LEDs at any setting of plate or load, at any level of drive. The TX light does light when the amp is keyed, but no power out. If put into bypass, the power out LEDs do light at the appropriate level for the driver (50-100 watts), but nothing in Operate mode.

I've done the following, with no effect:

- tried both Ant 1 and Ant 2 outputs
- switched to a dummy load (verified 1:1 SWR for load)
- replaced coax and keying cables
- verified that transceiver was putting out normal drive power
- checked internal fuses on mains PCB board for continuity
- replaced relay K1 A,B (T/R relay)

Finally, I bought two brand new 4CX250Bs and replaced the tubes. When trying to adjust the bias, I found that there was NO setting of potentiometer RP1 that would produce ANY IP current reading - I went from full CW to full CCW, no plate current reading. So I went through all three service modes, and here's what I got:

G1 grid current: zero (no LEDs lit)
G2 grid voltage: 300 V (9 LEDs lit)
IP plate current: zero (no LEDs lit)

Any suggestions as to what's going on will be very much appreciated.

Jeff Shelton N3JS

7147. Spring time filter change

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-13 14:56:59 UTC
From: martins160@...
Topic: 7147 Message: 7147

With the time change happening it's also time to clean your
2000A air filter.

A clean air filter makes a happy amplifier

Martin ka7gkn

7148. Re: [acom-list] Spring t me filter change time

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-13 16:21:19 UTC
From: William Sirvatka
Topic: 7148 Message: 7148

Great advice!

Sent from my iPhone

> On Mar 13, 2016, at 7:54 AM, martins160@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> With the time change it's also time to clean your 2000A Filter.
> A clean air filter makes for a happy amplifier!
>
> Martin ka7gkn
>
>
>
>

7149. Cable

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-16 19:11:02 UTC
From: lclarks@...
Topic: 7149 Message: 7149

How long is the cable from the RCU and the Amp?

73 Larry K1ZW

7150. RE: [acom-list] Cable

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-16 20:12:06 UTC
From: John Walker
Topic: 7149 Message: 7150

10'
-------- Original message --------
From: "lclarks@nc.rr.com [acom-list]" <acom-list@yahoogroups.com>
Date: 3/16/2016 3:11 PM (GMT-05:00)
To: acom-list@yahoogroups.com
Subject: [acom-list] Cable

How long is the cable from the RCU and the Amp?

7151. RE: [acom-list] Cable

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-16 20:57:45 UTC
From: Larry
Topic: 7149 Message: 7151

Thanks John

Larry K1ZW

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, March 16, 2016 4:12 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] Cable

10'

-------- Original message --------

From: "lclarks@... [acom-list]" <acom-list@yahoogroups.com>

Date: 3/16/2016 3:11 PM (GMT-05:00)

To: acom-list@yahoogroups.com

Subject: [acom-list] Cable

How long is the cable from the RCU and the Amp?

<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=1000131032227
9&js=no&resp=img&cf12=CP>

7152. Re: [acom-list] Cable

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-16 21:18:46 UTC
From: Mirko S57AD
Topic: 7149 Message: 7152

As I saw in specs (I don't have it), cable is 3 m (10') long...

73, Mirko, S57AD

2016-03-16 20:11 GMT+01:00 lclarks@... [acom-list] <
acom-list@yahoogroups.com>:

>
>
> How long is the cable from the RCU and the Amp?
>
> 73 Larry K1ZW
>
>
>
>

7153. TS-590S to Acom 1000 - Key Out // What is the function?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-17 16:03:54 UTC
From: fairfam5@...
Topic: 7153 Message: 7153

In recently visited the idea of hooking up the Key Out RCA connection between my Kenwood TS-590S and a Acom 1000. I have the relay working fine using pin 5 (on the DIN - BRK) to ground. I see that there are cables available (ebay) that incorporate the Key IN RCA plug. In the Acom manual this connection is described to provide "a extra control signal from the amplifier to the transceiver. It could be used to improve the transmit/receive safety." What exactly is the action/reaction of this Key out signal? To clarify,... is this a ALC connection?
Also, what is the proper pin number to use in the DIN plug should I choose to incorporate this connection?
If I choose to abandon the whole idea of incorporating the connection, what feature of the transceiver/amplifier would I be missing?

Thank you for your consideration, advise and time.
Les Faires
N6LJF

7154. Re: TS-590S to Acom 1000 - Key Out // What is the function?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-17 16:44:44 UTC
From: bill.8@...
Topic: 7153 Message: 7154

On 17/03/2016 16:03, fairfam5@yahoo.com [acom-list] wrote:

What exactly is the action/reaction of this Key out signal? To clarify,... is this a ALC connection?
Also, what is the proper pin number to use in the DIN plug should I choose to incorporate this connection?
If I choose to abandon the whole idea of incorporating the connection, what feature of the transceiver/amplifier would I be missing?
Hi Les,

KEYOUT is not an ALC output, it is a transmitter inhibit signal that is grounded (I think) when no faults on the amplifier are detected. It is intended remove drive from the amplifier when the protection logic is triggered. Most protections override the KEYIN signal so I think this only helps when the input relay has failed in the Tx position or if an arc fault is detected in the aerial system. When the amplifier is in standby or Rx mode KEYIN is connected to KEYOUT.

I do not think there is a suitable input on the TS590. Most users do not connect the KEYOUT signal although where an exciter has such an input there is no harm in connecting it up. Yaesu rigs, for example, generally have a TX INH input on their LINEAR connector. The Yaesu TX INH is active high so is compatible with KEYOUT which is actually KEYOUT* (active low but active means Tx allowed).

73
Bill
G4WJS.

7155. Heater Current too High

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-17 17:04:30 UTC
From: gm3yts@...
Topic: 7155 Message: 7155

when I use my Acom 2000a on 80m I have a problem. If drive exceeds 15 watts then I get a message heater voltage too high 4.6 a and the.amp switches off.

Now this happens with both my 80m Titanex Vertical and my 80m Dipole. All other antennas the amp works fine

SWR on both the 80m antennas are 1.5 to 1. Mains voltage is also OK

Any ideas out there ?

73 Rob GM3YTS

7156. Re: [acom-list] Heater Current too High

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-17 17:27:06 UTC
From: Bill Hider
Topic: 7155 Message: 7156

Re autotune on those antennas. Be sure to specify each as a different antenna and auto tune each separately.

Bill N3RR

On Mar 17, 2016 1:04 PM, "gm3yts@btinternet.com [acom-list]" <acom-list@yahoogroups.com> wrote:

when I use my Acom 2000a on 80m I have a problem. If drive exceeds 15 watts then I get a message heater voltage too high 4.6 a and the.amp switches off.

Now this happens with both my 80m Titanex Vertical and my 80m Dipole. All other antennas the amp works fine

SWR on both the 80m antennas are 1.5 to 1. Mains voltage is also OK

Any ideas out there ?

73 Rob GM3YTS

7157. Re: Heater Current too High

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-18 12:56:57 UTC
From: gm3yts@...
Topic: 7155 Message: 7157

Using autotune both 80m antennas are fine using 15 w of drive However 16w of drive and over the amp shuts down saying Heater voltage is too high. The amp works fine on all other antennas.

I then tried my Acom 1000 on both 80m antennas and got full power out no problem.

Any ideas before I contact Acom

73 Rob GM3YTS

7158. RCU - TFT

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-18 13:42:24 UTC
From: John Walker
Topic: 7158 Message: 7158

Does anyone have the RCU – TFT they would like to sell?

73-
W1JCW
John

7159. Re: Heater Current too High

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-18 16:51:56 UTC
From: g4cpd@...
Topic: 7155 Message: 7159

It may be an Idea to check the amp in to a dummy load with all antennas disconnected in order to eliminate common mode RF problems. If all is well check all the interconnects for problems.

7160. Acom 1500 Menu Question

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-21 16:39:25 UTC
From: Robert Dorchuck
Topic: 7160 Message: 7160

I just received my Acom 1500 last week and a very nice amp indeed.

I do have a question about the off-line menu options. According to the manual I should have three options - Brightness Control, Auto-Operate selection and Antenna Output Assignment.

I do not have a Brightness Control option available. The other two work as described in the manual. Have there been a change to the amp not described in the manual or what? Anyone have any ideas?

Thanks
Bob W6VY

7161. Re: Acom 1500 Menu Question

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-22 14:01:51 UTC
From: lewischeek@...
Topic: 7160 Message: 7161

To answer your question Bob, Acom changed the displays a while back, at least that's case with my 1000, Manual needs updating.

Lew
N4CO

7162. Re: Acom 1500 Menu Question

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-22 14:10:49 UTC
From: lewischeek@...
Topic: 7160 Message: 7162

Bob, this is off subject, however if you're looking for a spare tube, check out ad on QTH. I have known Glen W4GRF for over 30 years and he is a good trader.

Enjoy the new toy!

73's
Lew
N4CO

7163. Re: Acom 1500 Menu Question

Yahoo group: acom-list (2010 — 2016)
Date: 2016-03-22 23:07:34 UTC
From: w6vyred@...
Topic: 7160 Message: 7163

Thanks Lew, I got the same answer from DX Engineering this morning. That is kind of what I thought but wanted to check for sure. On the tubes, I found a NOS Eimac for $120 so I hope I am in good shape.
Thanks and 73
Bob W6VY

7164. For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-01 17:15:24 UTC
From: Hans Remeeus
Topic: 7164 Message: 7164

For the European HAM's for sale: my Acom 2000A.

In 100% working order.

Main unit and remote control: as new, no scratches or other marks.

Newprice in Europe: 5,600 Euro.

I ask: 3,500 Euro.

Please reflect via private e-mail to hans at pa1hr dot nl

Tnx and 73, Hans.

--

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

7165. Acom 2000A "Heater Current Too High" fault message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 19:45:44 UTC
From: Craig Anderson
Topic: 7165 Message: 7165

I have an Acom 2000A (November 2014) with new RCU and this morning when I turned the amp on I received this message about 5 seconds into the warm-up cycle "Heater Current Too High 4.8 Amps" and the amp promptly shutdown. I looked in the manual and it indicated it could be a problem with the mains supply but I checked that and I had 248 volts on the plug. I hope it isn't a tube. Has anyone else had this issue and if so, what was your solution. I am dead in the water.

Craig W9CLA

7166. "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:05:37 UTC
From: Craig Anderson
Topic: 7166 Message: 7166

As a follow-up to my previous post my line voltage is running 249 V. I don't know how sensitive the Acom 2000A is to voltage +/- the nominal 240V it is expecting.

Craig W9CLA

7167. Re: [acom-list] Acom 2000A "Heater Current Too High" fault message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:16:37 UTC
From: dalej
Topic: 7165 Message: 7167

Craig,

Same exact problem here except mine said 4.7 amp. The count down was at 137 seconds. It's at Array Solutions now and have not heard anything yet.

Mine is about 18 months old and has been absolutely a great amp until last week. First time I moved it or had the covers off since I got it.

Dale K9VUJ

On 06, Apr 2016, at 14:45, "'Craig Anderson' w9cla@baldwin-telecom.net [acom-list]" <acom-list@yahoogroups.com> wrote:

I have an Acom 2000A (November 2014) with new RCU and this morning when I turned the amp on I received this message about 5 seconds into the warm-up cycle “Heater Current Too High 4.8 Amps” and the amp promptly shutdown. I looked in the manual and it indicated it could be a problem with the mains supply but I checked that and I had 248 volts on the plug. I hope it isn’t a tube. Has anyone else had this issue and if so, what was your solution. I am dead in the water.

Craig W9CLA

7168. Re: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:17:28 UTC
From: dalej
Topic: 7166 Message: 7168

Mine was 240. I don't thing that had anything to do with it Craig.

Dale, K9VUJ

On 06, Apr 2016, at 15:05, "'Craig Anderson' w9cla@baldwin-telecom.net [acom-list]" <acom-list@yahoogroups.com> wrote:

As a follow-up to my previous post my line voltage is running 249 V. I don’t know how sensitive the Acom 2000A is to voltage +/- the nominal 240V it is expecting.

Craig W9CLA

7169. Re: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:18:50 UTC
From: Bill Steffey NY9H
Topic: 7166 Message: 7169

check out : http://n1eu.com/acom/acom_prot.htm

great stuff on what you are looking for ,,,:

- MAINS (line input voltage, no protection is directly derived);
- FIL-V (filament voltage, 10V to 14.4V is acceptable);
- IF-REAR (filament current - rear tube, 3A to 4.4A is acceptable);
- IF-FRONT (filament current - front tube, 3A to 4.4A is acceptable);

The heater voltage protection would trip at voltages below 10V or over
14.4V, and the corresponding message to the operator is issued on the RCU.
Respectively, the thresholds for heater current protection are 3A and 4.4A,
and appropriate messages appear when tripped.

For your information, the nominal filament voltage is 12.6V, and the
nominal current is 3.6A. The "HEATER" indicator on the RCU is normally
dark. It will constantly light if the filament voltage drops below 11.6V,
and it will frequently blink if the voltage exceeds 13.6V (in order to
inform you that nearly half of the acceptable range is crossed). In both
cases the voltage selection may need to be changed if this conditions
predominate. See also p.11 below.

pasted from n1eu site"""

At 04:05 PM 4/6/2016, you wrote:

>As a follow-up to my previous post my line
>voltage is running 249 V. I don□t know how
>sensitive the Acom 2000A is to voltage +/- the nominal 240V it is expecting.
>
>Craig W9CLA
>
>
>

7170. Re: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:45:54 UTC
From: dalej
Topic: 7166 Message: 7170

The warmup process stopped with a box that indicated heater current too high, 4.7 amps. Mine is in the shop. Have not heard yet what the problem/resolution is. Line voltage 240. Amp has been problem free since placed in service 18 months ago. A great amp, quiet and puts out the RF without complaint.

Dale, k9vuj

On 06, Apr 2016, at 15:18, Bill Steffey NY9H ny9h@arrl.net [acom-list] <acom-list@yahoogroups.com> wrote:

check out : http://n1eu.com/acom/acom_prot.htm

great stuff on what you are looking for ,,,:

- MAINS (line input voltage, no protection is directly derived);
- FIL-V (filament voltage, 10V to 14.4V is acceptable);
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For your information, the nominal filament voltage is 12.6V, and the nominal current is 3.6A. The "HEATER" indicator on the RCU is normally dark. It will constantly light if the filament voltage drops below 11.6V, and it will frequently blink if the voltage exceeds 13.6V (in order to inform you that nearly half of the acceptable range is crossed). In both cases the voltage selection may need to be changed if this conditions predominate. See also p.11 below.

pasted from n1eu site"""

At 04:05 PM 4/6/2016, you wrote:

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>voltage is running 249 V. I don’t know how
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>
>Craig W9CLA
>
>
>

7171. Re: [acom-list] Acom 2000A "Heater Current Too High" fault message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:47:23 UTC
From: Rick ve3mm
Topic: 7165 Message: 7171

Hi Craig

I had the same issue where my amp would not turn on and gave the same error message.

My line voltage was fine at ~235 V but was the amp was reading it as considerably higher.

In my case it turned out to be a bad trimpot in the op amp circuit on the input to the adc and this was causing all of the adc readings to be in error.

Search the archives for my posts on this.

73

Rick ve3mm

On Wed, Apr 6, 2016 at 3:45 PM, 'Craig Anderson' w9cla@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> I have an Acom 2000A (November 2014) with new RCU and this morning when I
> turned the amp on I received this message about 5 seconds into the warm-up
> cycle “Heater Current Too High 4.8 Amps” and the amp promptly shutdown. I
> looked in the manual and it indicated it could be a problem with the mains
> supply but I checked that and I had 248 volts on the plug. I hope it isn’t
> a tube. Has anyone else had this issue and if so, what was your solution.
> I am dead in the water.
>
>
>
> Craig W9CLA
>
>
>

7172. RE: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 20:56:37 UTC
From: Craig Anderson
Topic: 7172 Message: 7172

Thanks for the information. I don't remember my mains running this high on the past Normally it ran about 243-244 but I know that many power companies are upping their voltage on their transmission lines for various reasons and if this is what I am going to experience I don't know how to rectify the issue within the amp other than running a 240 VARIAC or Autotransformer and either solution is very expensive.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, April 06, 2016 3:19 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "Heater Current Too High" "CMV" fault code message

check out : http://n1eu.com/acom/acom_prot.htm

great stuff on what you are looking for ,,,:

- MAINS (line input voltage, no protection is directly derived);
- FIL-V (filament voltage, 10V to 14.4V is acceptable);
- IF-REAR (filament current - rear tube, 3A to 4.4A is acceptable);
- IF-FRONT (filament current - front tube, 3A to 4.4A is acceptable);

The heater voltage protection would trip at voltages below 10V or over 14.4V, and the corresponding message to the operator is issued on the RCU. Respectively, the thresholds for heater current protection are 3A and 4.4A, and appropriate messages appear when tripped.

For your information, the nominal filament voltage is 12.6V, and the nominal current is 3.6A. The "HEATER" indicator on the RCU is normally dark. It will constantly light if the filament voltage drops below 11.6V, and it will frequently blink if the voltage exceeds 13.6V (in order to inform you that nearly half of the acceptable range is crossed). In both cases the voltage selection may need to be changed if this conditions predominate. See also p.11 below.

pasted from n1eu site"""

At 04:05 PM 4/6/2016, you wrote:

>As a follow-up to my previous post my line
>voltage is running 249 V. I don't know how
>sensitive the Acom 2000A is to voltage +/- the nominal 240V it is
expecting.
>
>Craig W9CLA
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>

7173. RE: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 21:14:31 UTC
From: Craig Anderson
Topic: 7166 Message: 7173

I will be patiently waiting for what Array Solutions finds wrong with your amp. After reading a bit more, I don't think my 249V line voltage is the issue. It can handle up to 264v on the high side. It would seem more logical that one of the tubes is for some reason drawing more heater current than it should and I am trying to think why that would occur unless there is a problem in the screen supply. I guess I will just have to wait until you hear from Array Solutions.

-----Original Message-----
From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, April 06, 2016 3:46 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] "Heater Current Too High" "CMV" fault code message

The warmup process stopped with a box that indicated heater current too high, 4.7 amps. Mine is in the shop. Have not heard yet what the problem/resolution is. Line voltage 240. The amp has been problem free since placed in service 18 months ago. A great amp, quiet and puts out the RF without complaint.

Dale, k9vuj

On 06, Apr 2016, at 15:18, Bill Steffey NY9H ny9h@... [acom-list] <acom-list@yahoogroups.com> wrote:

check out : http://n1eu.com/acom/acom_prot.htm

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At 04:05 PM 4/6/2016, you wrote:

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>don't know how sensitive the Acom 2000A is to voltage +/- the nominal
>240V it is expecting.
>
>Craig W9CLA
>
>
>

Yahoo Groups Links

7174. RE: [acom-list] Acom 2000A "Heater Current Too High" fault message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-06 21:15:24 UTC
From: Craig Anderson
Topic: 7165 Message: 7174

Thanks Rick. How ol dis your amp?

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Wednesday, April 06, 2016 3:47 PM
To: acom-list@yahoogroups.com
Subject: Re: [acom-list] Acom 2000A "Heater Current Too High" fault message

Hi Craig

I had the same issue where my amp would not turn on and gave the same error message.

My line voltage was fine at ~235 V but was the amp was reading it as considerably higher.

In my case it turned out to be a bad trimpot in the op amp circuit on the input to the adc and this was causing all of the adc readings to be in error.

Search the archives for my posts on this.

73

Rick ve3mm

On Wed, Apr 6, 2016 at 3:45 PM, 'Craig Anderson' w9cla@baldwin-telecom.net [acom-list] <acom-list@yahoogroups.com> wrote:

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Craig W9CLA

7175. Re: [acom-list] Acom 2000A "Heater Current Too High" fault message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-07 02:28:53 UTC
From: Rick ve3mm
Topic: 7165 Message: 7175

Hi Craig

I bought it in 2002.

Rick

On Wed, Apr 6, 2016 at 5:15 PM, 'Craig Anderson' w9cla@...
[acom-list] <acom-list@...m> wrote:

>
>
> Thanks Rick. How ol dis your amp?
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>
> *From:* acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
> *Sent:* Wednesday, April 06, 2016 3:47 PM
> *To:* acom-list@yahoogroups.com
> *Subject:* Re: [acom-list] Acom 2000A "Heater Current Too High" fault
> message
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> Search the archives for my posts on this.

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> 73
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> Rick ve3mm
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> On Wed, Apr 6, 2016 at 3:45 PM, 'Craig Anderson' w9cla@baldwin-telecom.net
> [acom-list] <acom-list@yahoogroups.com> wrote:
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> supply but I checked that and I had 248 volts on the plug. I hope it isn’t
> a tube. Has anyone else had this issue and if so, what was your solution.
> I am dead in the water.
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>
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> Craig W9CLA
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7176. Re: "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-07 10:49:43 UTC
From: Eric Fowler
Topic: 7166 Message: 7176

Most power companies have the ability to adjust the taps on the transformer feeding your home or a group of nearby homes. The steps are typically 2.5%, which is 6 volts at 240 VAC. Give their customer service number a call and tell them your voltage is high. They should send someone out to measure.

I went through this a while back, except that my voltage was low because my service drop landed in the middle of a long span. It took a few calls, but they eventually placed a transformer right at my drop and adjusted it properly. I'm now at 242 VAC, and it only sags a couple of volts during periods of heavy load.

Eric / WV3E

--

7177. RE: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-07 17:18:44 UTC
From: wc1m73@...
Topic: 7172 Message: 7177

This one's a long shot, but I've seen the heater current message and others when I've turned on the amp while amp control software is running. Sometimes the CPU gets confused if it's bombarded with commands from a program during warm up. Doesn't happen every time.

If you use a software program to control the amp, pre-tune, etc., try unplugging the RS-232 cable from the amp before turning it on.

73. Dick WC1M

7178. GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-07 18:37:52 UTC
From: Rich Hallman - N7TR
Topic: 7178 Message: 7178

Was looking to get a spare set of GU74 for my ACOM 2000. I have 4 ACOM 2000 amps here.

Below is a reply from VINECOM out of EU who tests them before selling..

"Price is GBP350 for a pair but right now we have trouble in getting them and there is a massive QRX list. I can put you on it if you like but at this time cannot even estimate a time scale for delivery."

Rich N7TR

ex KI3V, N3AMK, WB3JOV

<http://www.n7tr.com> www.n7tr.com

<http://www.qrz.com/db/N7TR> http://www.qrz.com/db/N7TR

Telnet: dxc.n7tr.com N7TR DXCluster

7179. Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-07 18:53:17 UTC
From: bill.8@...
Topic: 7178 Message: 7179

Hi Rich & all,

I spoke to Ron at Vine recently about this as well. He explained that suppliers of NOS GU74/4CX800 are now unwilling to accept returns for dead on arrival items. For outlets like Vine who test, match and give a warranty this effectively doubles the purchase price as a 50% failure rate on NOS GU74/4CX800 is not uncommon.

73
Bill
G4WJS.

7180. RE: [acom-list] "Heater Current Too High" "CMV" fault code message

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-07 21:34:04 UTC
From: Craig Anderson
Topic: 7172 Message: 7180

I am not using a control program to control the amp. Ja at Array Solutions feels pretty confident it is a bad tube. I am going to check for a cathode to filament short on both tubes.

From: acom-list@yahoogroups.com [mailto:acom-list@yahoogroups.com]
Sent: Thursday, April 07, 2016 12:19 PM
To: acom-list@yahoogroups.com
Subject: RE: [acom-list] "Heater Current Too High" "CMV" fault code message

This one's a long shot, but I've seen the heater current message and others when I've turned on the amp while amp control software is running. Sometimes the CPU gets confused if it's bombarded with commands from a program during warm up. Doesn't happen every time.

If you use a software program to control the amp, pre-tune, etc., try unplugging the RS-232 cable from the amp before turning it on.

73. Dick WC1M

7181. Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-08 12:45:14 UTC
From: Jay Terleski
Topic: 7178 Message: 7181

Guys,
We just got in 30 tubes and have tested all of them in our tester, which is a modified ACOM amp.
We were able to get many matched sets.

My experienced with my supplier in St. Petersburg has been good. This batch had 1 tube that is weak and we will return it.

Jay, WX0B

Jay Terleski
President
Array Solutions
214 954 7140

7182. RE: [acom-list] Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-08 12:57:47 UTC
From: Chester Latawiec
Topic: 7178 Message: 7182

Hello Jay.Any chance you could bring a matched set to Visalia next weekend?I can pay for them now or next weekend when we see you.
73Chet VE3CFK

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Fri, 8 Apr 2016 07:45:14 -0500
Subject: [acom-list] Re: GU74 Availability

Guys,We just got in 30 tubes and have tested all of them in our tester, which is a modified ACOM amp.We were able to get many matched sets.
My experienced with my supplier in St. Petersburg has been good. This batch had 1 tube that is weak and we will return it.
Jay, WX0B
Jay Terleski
President
Array Solutions
214 954 7140

7183. RE: [acom-list] Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-08 19:25:57 UTC
From: Kees - pa7two
Topic: 7178 Message: 7183

Wait, a 50% fail rate? That is a joke! Seriously. Please don't take that seriously, it is not.

Vy 73, de Kees - PA7TWO - M5TWO
DX IS and CW RULES!

Twitter: @PA7TWO

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Thu, 7 Apr 2016 11:53:17 -0700
Subject: [acom-list] Re: GU74 Availability

Hi Rich & all,

I spoke to Ron at Vine recently about this as well. He explained that suppliers of NOS GU74/4CX800 are now unwilling to accept returns for dead on arrival items. For outlets like Vine who test, match and give a warranty this effectively doubles the purchase price as a 50% failure rate on NOS GU74/4CX800 is not uncommon.

73
Bill
G4WJS.

7184. Screen current too high' ig2 17mA - Fixed?

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-08 21:06:42 UTC
From: Terry Burbidge
Topic: 7184 Message: 7184

During CQWPX SSB we lost my Acom 2000 (1998 vintage) due to 'Screen current too high' 'ig2=17mA should be zero' error.

Val at Acom pointed me towards the HVBSG board. Checked out the capacitors and all appear to be ok with a simple multimeter test. I also checked D32 as an obvious candidate but that appears to be well forward biased.

So, decided to trace the screen current measurement circuit back from the CPU g2 ci. First component on the HVBSG board from JP5:4 is R26. That measured ok according to its marking (1k) but circuit diagram shows value of 100k Ohms. I replaced R26 with a 100k resistor, powered up the amp all ok, no ig2 error.

I've asked Val for his thoughts since I don't understand how it has worked for the 7 years that I have owned the amp with this resistor of the incorrect value. The component looks the same vintage as the other resistors (yes, very subjective I know but that's all I have to go on) but possibly replaced by a previous owner who mistakenly put a 1k in to match R27?

Is it possibly the tube anodes internal leakage maybe changing the characteristics? Out of my depth now.

I'm soak testing the amp and will report back if further work done.

Cheers,

Terry/G4MKP

7185. ACOM1010 for sale

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-09 09:47:26 UTC
From: Dick
Topic: 7185 Message: 7185

Unit purchased NEW from DX Engineering 6 months ago. Still AS NEW with original boxes. $1500 plus shipping USA only. I also have a Brand new spare tube purchased directly from ACOM. $250 shipped. Dick, k1dpm

Sent from my iPhone

7186. Acom 2000A - Line voltage doubt

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-09 14:32:58 UTC
From: Julio maronhas
Topic: 7186 Message: 7186

Good Morning.I need guidance.What is the meaning of 220V-res which is beneath the Acom 2000A transformer? It is different from 220V?The manual informs 5 input voltages available for adjustment and linear reports 6:100, 120, 200.220 and 240 VAC in the manual and linear than those already reported still appears 220V res.
Thank you in advance.
73s de PP2BT - Júlio Maronhas PT2CM Team - SCOUT HAM RADIO CLUB

7187. Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 01:47:18 UTC
From: Bry Carling
Topic: 3059 Message: 7187

Hi folks,

I have a second hand Acom 1000 that ran fine for a few weeks after I bough tit...

Now it won't work. It always gives the TR2B fault code and will
not transmit.

Even in the low power TRI mode. Has to be reset and try again.
Then no go.

I think my next amplifier will be an SPE
Expert self-tuning amplifier!

Still I would love to fix this one. It seems like most HF
amplifiers are prone to failure

no matter who makes them!

ERROR CODES I see:

1AT2B 010000 000000
1BB396 7732DD D77F9F

2ATR2B 000000 000100
2BB299 77BADD D77F18

3ATR2B 000000 000100
3BB399 77BADD D77F18

4ATR2B 3D0900 42010A
4BA79D 7732D5 D77FF5

5ATR2B 000100 000100
5BB299 77BAD5 D77F11

6ATR4B 4E0000 4E0108
6BA89D 7733DD D37FE3

7ATR2B 000000 000100
7BB398 7732DD 077F90

So that's it folks.
I guess this is bad news and whatever this means it will probably be expensive!

I read the procedure for changing out the vacuum relay with a torque wrench etc. and I sure hope I don't have to try that!! This sounds like an expensive repair, sigh.
These things seem way too complicated. It just means there is more to go wrong.

Maybe I should just have gone with something simple like an AL811H or AL80B - sigh!
I love the QSK and 6m on this one, but I haven;t really had a chance to use it much thanks to this failure!

Any clues from those out there with experience please? Where do you send them when they break?
Is this worth fixing? Maybe it is something simple I can do myself (?) - hope.

73 to all - Bry Carling, AF4K
Sanford, FL

7188. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 11:09:14 UTC
From: Dean St. Hill
Topic: 3059 Message: 7188

Bry

As an overall satisfied A1000 owner I must say this is generally a great amplifier and sometimes easy to work on but somewhat more complex than legacy amplifiers.

I order to do anything in terms of understanding the problem you will need the spreadsheet to analyse the problem. I am attaching that to the message.

I plugged in your data and you have probably narrowed it down - looks like your Output relay is closed - ORC.

It might not be a bad idea to give the folks at Array Solutions a call. They don't sell these amps anymore but as far as I'm aware they will/can still service these amps. I've had a couple serviced there and always a great experience. I am not clear on it but DX Engineering does also see the amp but it is not clear if they also do service. If they do i am sure they would also be great as W5OV is very familiar with these amps.

If you need any additional info you could also contact the factory - Val is great and has also walked me through a couple probs in the past via email.

The amp though is no doubt worth trouble-shooting and repairing whether you can do it yourself or have to ship for the repair.

I do have just about anything I could find online about the amp and if you need anything feel free to contact me directly.

regards

Dean - 8P2K

Dean St.Hill

Barbados.JustAskLocals.com <http://Barbados.JustAskLocals.com>
It's A Big World. Travel Smarter <http://barbados.justasklocals.com/>

17 Ocean City
St.Philip
Barbados

246-825-2039
246-416-5277

dmsthill@... <dmsthill@...>

On Sat, Apr 9, 2016 at 9:47 PM, Bry Carling af4k@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Hi folks,
>
> I have a second hand Acom 1000 that ran fine for a few weeks after I bough
> tit...
> Now it won't work. It always gives the TR2B fault code and will not
> transmit.
> Even in the low power TRI mode. Has to be reset and try again. Then no go.
>
> I think my next amplifier will be an SPE Expert self-tuning amplifier!
>
> Still I would love to fix this one. It seems like most HF amplifiers are
> prone to failure
> no matter who makes them!
>
> ERROR CODES I see:
>
> 1AT2B 010000 000000
> 1BB396 7732DD D77F9F
>
> 2ATR2B 000000 000100
> 2BB299 77BADD D77F18
>
> 3ATR2B 000000 000100
> 3BB399 77BADD D77F18
>
> 4ATR2B 3D0900 42010A
> 4BA79D 7732D5 D77FF5
>
> 5ATR2B 000100 000100
> 5BB299 77BAD5 D77F11
>
> 6ATR4B 4E0000 4E0108
> 6BA89D 7733DD D37FE3
>
> 7ATR2B 000000 000100
> 7BB398 7732DD 077F90
>
> So that's it folks.
> I guess this is bad news and whatever this means it will probably be
> expensive!
>
> I read the procedure for changing out the vacuum relay with a torque
> wrench etc. and I sure
> hope I don't have to try that!! This sounds like an expensive repair,
> sigh.
> These things seem way too complicated. It just means there is more to go
> wrong.
>
> Maybe I should just have gone with something simple like an AL811H or

> AL80B - sigh!
> I love the QSK and 6m on this one, but I haven;t really had a chance to
> use it much thanks to this failure!
>
> Any clues from those out there with experience please? Where do you send
> them when they break?
> Is this worth fixing? Maybe it is something simple I can do myself (?) -
> hope.
>
> 73 to all - Bry Carling, AF4K
> Sanford, FL
>
>
>
>

[Non-text portions of this message have been removed]

7189. Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 11:46:52 UTC
From: bill.8@...
Topic: 3059 Message: 7189

Hi Bry,

several of those fault codes are invalid, you probably mistyped a digit. The ones that are valid all show the same fault which is ORC at logic low when going to Tx and the invalid ones look to be the same. Vacuum relays are mechanical and therefore subject to wearing out so the output relay may well have failed. Obviously driving full power into an open circuit is not desirable, hence the diagnostic check in the amplifier.

The ORC signal is ultimately derived from a DC path to ground through RFC3, the vacuum relay K1 normally open contacts and RFC4. The *ORC line is pulled up to 24V through R26 on the control board. The ORC logic signal is *ORC inverted and converted to 5V by Q5 on the control board. If that path to ground through the relay is not present when K1 is switched to Tx (*PANT signal low which is the K1 switch to Tx signal) then the amplifier knows there is a problem and it trips the fault.

The fault detecting circuit itself may be faulty but it is pretty simple and I suspect that a relay failure is more likely.

Details of changing the vacuum relay along with pictures are here:

GMDX - Acom 1000 amp manuals and info http://www.gmdx.org.uk/page-1671106

GMDX - Acom 1000 amp manuals and info http://www.gmdx.org.uk/page-1671106 Acom 1000 Linear Amplifier page. This popular linear amp covering 160m to 6m is a handy sized desktop machine in use by many members. The following information is courtesy of GMDX member Mike, VP8NO.

View on www.gmdx.org.uk http://www.gmdx.org.uk/page-1671106
Preview by Yahoo

I have not done this myself and I'm sure that other here have more experience and can comment further. It looks to be quite a tricky repair probably best taken on by someone with experience of doing it before.

73
Bill
G4WJS.

7190. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 13:27:36 UTC
From: Ira Neal
Topic: 3059 Message: 7190

There is absolutely nothing wrong with a AL80B
Got one new years ago, ran it with 50 watts drive, same tube, 10 years.
Ke4ex

Best Regards, Ira
On Apr 9, 2016 9:47 PM, "Bry Carling af4k@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> Hi folks,
>
> I have a second hand Acom 1000 that ran fine for a few weeks after I bough
> tit...
> Now it won't work. It always gives the TR2B fault code and will not
> transmit.
> Even in the low power TRI mode. Has to be reset and try again. Then no go.
>
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>
> Still I would love to fix this one. It seems like most HF amplifiers are
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> ERROR CODES I see:
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> 1BB396 7732DD D77F9F
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> 2ATR2B 000000 000100
> 2BB299 77BADD D77F18
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> 3BB399 77BADD D77F18
>
> 4ATR2B 3D0900 42010A
> 4BA79D 7732D5 D77FF5
>
> 5ATR2B 000100 000100
> 5BB299 77BAD5 D77F11
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> 6ATR4B 4E0000 4E0108
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> 7BB398 7732DD 077F90
>
> So that's it folks.
> I guess this is bad news and whatever this means it will probably be
> expensive!
>
> I read the procedure for changing out the vacuum relay with a torque
> wrench etc. and I sure
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> sigh.
> These things seem way too complicated. It just means there is more to go
> wrong.
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> Maybe I should just have gone with something simple like an AL811H or
> AL80B - sigh!
> I love the QSK and 6m on this one, but I haven;t really had a chance to
> use it much thanks to this failure!
>
> Any clues from those out there with experience please? Where do you send
> them when they break?
> Is this worth fixing? Maybe it is something simple I can do myself (?) -
> hope.
>
> 73 to all - Bry Carling, AF4K
> Sanford, FL
>
>
>
>

7191. RE: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 13:35:39 UTC
From: Bry Carling
Topic: 3059 Message: 7191

Thanks so much Bill - there is no way I am going to change that relay out myself. Sadly I will have to send
this dog off for a repair unless a trace is broken or something simple I can repair. Sigh.
Bry AF4K

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 10 Apr 2016 04:46:52 -0700
Subject: [acom-list] Re: Acom 1000 failure

Hi Bry,

several of those fault codes are invalid, you probably mistyped a digit. The ones that are valid all show the same fault which is ORC at logic low when going to Tx and the invalid ones look to be the same. Vacuum relays are mechanical and therefore subject to wearing out so the output relay may well have failed. Obviously driving full power into an open circuit is not desirable, hence the diagnostic check in the amplifier.

The ORC signal is ultimately derived from a DC path to ground through RFC3, the vacuum relay K1 normally open contacts and RFC4. The *ORC line is pulled up to 24V through R26 on the control board. The ORC logic signal is *ORC inverted and converted to 5V by Q5 on the control board. If that path to ground through the relay is not present when K1 is switched to Tx (*PANT signal low which is the K1 switch to Tx signal) then the amplifier knows there is a problem and it trips the fault.

The fault detecting circuit itself may be faulty but it is pretty simple and I suspect that a relay failure is more likely.

Details of changing the vacuum relay along with pictures are here:

GMDX - Acom 1000 amp manuals and info
GMDX - Acom 1000 amp manuals and info Acom 1000 Linear Amplifier page. This popular linear amp covering 160m to 6m is a handy sized desktop machine in use by many members. The following information is courtesy of GMDX member Mike, VP8NO. View on www.gmdx.org.uk
Preview by Yahoo

I have not done this myself and I'm sure that other here have more experience and can comment further. It looks to be quite a tricky repair probably best taken on by someone with experience of doing it before.

73
Bill
G4WJS.

7192. RE: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:06:07 UTC
From: bill.8@...
Topic: 3059 Message: 7192

On 10/04/2016 14:35, Bry Carling af4k@hotmail.com mailto:af4k@hotmail.com [acom-list] wrote:

Thanks so much Bill - there is no way I am going to change that relay out myself. Sadly I will have to send
this dog off for a repair unless a trace is broken or something simple I can repair. Sigh.
Hi Bry,

vacuum relays are pretty much essential for near noise free QSK operation and similar relays are used in most high power QSK linears. ACOM cannot be blamed for a relay failure, they have used same part that any designer would have used. It is unfortunate to have a failure but traffic here and elsewhere show that it is not a common fault.

NOS suppliers show the Russian PWD-1W relay available for around $25. Alternatively the Kilovac HC1-26/HC1-U26 or Jennings RJ1A-26S seem to be readily available for less than $100. Considering the cost of the amplifier I can't imagine a repair will be that expensive although shipping costs are not trivial.

73
Bill
G4WJS.

7193. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:17:27 UTC
From: Bruce Felder
Topic: 3059 Message: 7193

> On Apr 10, 2016, at 9:06 AM, bill.8@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
>
> On 10/04/2016 14:35, Bry Carling af4k@hotmail.com <mailto:af4k@...> [acom-list] wrote:
>> Thanks so much Bill - there is no way I am going to change that relay out myself. Sadly I will have to send
>> this dog off for a repair unless a trace is broken or something simple I can repair. Sigh.
> Hi Bry,
>
> vacuum relays are pretty much essential for near noise free QSK operation and similar relays are used in most high power QSK linears. ACOM cannot be blamed for a relay failure, they have used same part that any designer would have used. It is unfortunate to have a failure but traffic here and elsewhere show that it is not a common fault.
>
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>
> 73
> Bill
> G4WJS.
>
>

7194. RE: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:18:36 UTC
From: bill.8@...
Topic: 3059 Message: 7194

NOS suppliers show the Russian PWD-1W relay available for around $25.

Sorry that was a typo. The Russian part number should be P1D-1W like these:

SPDT VACUUM ANTENNA RELAY SWITCH for HF Amplifier 26VDC 3A 1.5kV 3 pcs http://www.ebay.com/itm/SPDT-VACUUM-ANTENNA-RELAY-SWITCH-for-HF-Amplifier-26VDC-3A-1-5kV-3-pcs-/291734133456

http://www.ebay.com/itm/SPDT-VACUUM-ANTENNA-RELAY-SWITCH-for-HF-Amplifier-26VDC-3A-1-5kV-3-pcs-/291734133456

SPDT VACUUM ANTENNA RELAY SWITCH for HF Amp... http://www.ebay.com/itm/SPDT-VACUUM-ANTENNA-RELAY-SWITCH-for-HF-Amplifier-26VDC-3A-1-5kV-3-pcs-/291734133456 US $60.00 Used in Consumer Electronics, Radio Communication, Ham, Amateur Radio

View on www.ebay.com http://www.ebay.com/itm/SPDT-VACUUM-ANTENNA-RELAY-SWITCH-for-HF-Amplifier-26VDC-3A-1-5kV-3-pcs-/291734133456
Preview by Yahoo

73
Bill
G4WJS.

7195. RE: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:28:48 UTC
From: Bry Carling
Topic: 3059 Message: 7195

That seems extremely reasonable. The only thing that scares me is all the warnings about using the torque wrench!

Best regards - Brian Carling
AF4K Crystal Co.
117 Sterling Pine St.
Sanford, FL 32773

Tel: 321-262-5471

7196. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:39:20 UTC
From: Bry Carling
Topic: 3059 Message: 7196

Is there any possibility that this problem could be called by the control circuit for the relay?

Best regards - Brian Carling
AF4K Crystal Co.
117 Sterling Pine St.
Sanford, FL 32773

Tel: 321-262-5471

> On Apr 10, 2016, at 10:19 AM, bill.8@classdesign.com [acom-list]
<acom-list@yahoogroups.com> wrote:
>
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>
> Sorry that was a typo. The Russian part number should be P1D-1W like these:
>
> SPDT VACUUM ANTENNA RELAY SWITCH for HF Amplifier 26VDC 3A 1.5kV 3 pcs
>
> SPDT VACUUM ANTENNA RELAY SWITCH for HF Amp...
> US $60.00 Used in Consumer Electronics, Radio Communication, Ham, Amateur Radio
> View on www.ebay.com
> Preview by Yahoo
>
>
>
>
> 73
> Bill
> G4WJS.
>
>

7197. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:41:33 UTC
From: Keith
Topic: 3059 Message: 7197

Bry,

I have owned both. Both the SPE 1K and the Acom 1000 are amazing amps. Of course the SPE 1K has autotuner that works FB once set up, remote capability and four antenna outputs but is about 2x the cost. I think the Acom is way more rugged.

Once you get it up and running again you will be happy. I did run into error codes on my Acom. Did you happen to change the supply voltage on it when you got it. I did it incorrectly on mine and was receiving errors when in all actuality it was fine. I just thought I would mention it

Good luck!

Keith
AK6ZZ

Sent from my iPhone

> On Apr 9, 2016, at 8:47 PM, Bry Carling af4k@... [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Hi folks,
>
> I have a second hand Acom 1000 that ran fine for a few weeks after I bough tit...
> Now it won't work. It always gives the TR2B fault code and will not transmit.
> Even in the low power TRI mode. Has to be reset and try again. Then no go.
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> 4ATR2B 3D0900 42010A
> 4BA79D 7732D5 D77FF5
>

> 5ATR2B 000100 000100
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> 6ATR4B 4E0000 4E0108
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>
> So that's it folks.
> I guess this is bad news and whatever this means it will probably be expensive!
>
> I read the procedure for changing out the vacuum relay with a torque wrench etc. and I sure
> hope I don't have to try that!! This sounds like an expensive repair, sigh.
> These things seem way too complicated. It just means there is more to go wrong.
>
> Maybe I should just have gone with something simple like an AL811H or AL80B - sigh!
> I love the QSK and 6m on this one, but I haven;t really had a chance to use it much thanks to this failure!
>
> Any clues from those out there with experience please? Where do you send them when they break?
> Is this worth fixing? Maybe it is something simple I can do myself (?) - hope.
>
> 73 to all - Bry Carling, AF4K
> Sanford, FL
>
>
>

7198. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 14:43:49 UTC
From: Bry Carling
Topic: 3059 Message: 7198

Thank you Keith. Mine is set up for 240 V AC. And I'm running on that. Thank you for the encouragement. Part of the problem may be that I was not tuning it correctly? It seems rather complicated to use that TR I method.

Best regards - Brian Carling
AF4K Crystal Co.
117 Sterling Pine St.
Sanford, FL 32773

Tel: 321-262-5471

> On Apr 10, 2016, at 10:41 AM, Keith plowpenny@yahoo.com [acom-list] <acom-list@yahoogroups.com> wrote:
>
> Bry,
>
> I have owned both. Both the SPE 1K and the Acom 1000 are amazing amps. Of course the SPE 1K has autotuner that works FB once set up, remote capability and four antenna outputs but is about 2x the cost. I think the Acom is way more rugged.
>
> Once you get it up and running again you will be happy. I did run into error codes on my Acom. Did you happen to change the supply voltage on it when you got it. I did it incorrectly on mine and was receiving errors when in all actuality it was fine. I just thought I would mention it
>
> Good luck!
>
> Keith
> AK6ZZ
>
> Sent from my iPhone
>
>> On Apr 9, 2016, at 8:47 PM, Bry Carling af4k@hotmail.com [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>>
>> Hi folks,
>>
>> I have a second hand Acom 1000 that ran fine for a few weeks after I bough tit...
>> Now it won't work. It always gives the TR2B fault code and will not transmit.
>> Even in the low power TRI mode. Has to be reset and try again. Then no go.
>>
>> I think my next amplifier will be an SPE Expert self-tuning amplifier!
>>
>> Still I would love to fix this one. It seems like most HF amplifiers are prone to failure

>> no matter who makes them!
>>
>> ERROR CODES I see:
>>
>> 1AT2B 010000 000000
>> 1BB396 7732DD D77F9F
>>
>> 2ATR2B 000000 000100
>> 2BB299 77BADD D77F18
>>
>> 3ATR2B 000000 000100
>> 3BB399 77BADD D77F18
>>
>> 4ATR2B 3D0900 42010A
>> 4BA79D 7732D5 D77FF5
>>
>> 5ATR2B 000100 000100
>> 5BB299 77BAD5 D77F11
>>
>> 6ATR4B 4E0000 4E0108
>> 6BA89D 7733DD D37FE3
>>
>> 7ATR2B 000000 000100
>> 7BB398 7732DD 077F90
>>
>> So that's it folks.
>> I guess this is bad news and whatever this means it will probably be expensive!
>>
>> I read the procedure for changing out the vacuum relay with a torque wrench etc. and I sure
>> hope I don't have to try that!! This sounds like an expensive repair, sigh.
>> These things seem way too complicated. It just means there is more to go wrong.
>>
>> Maybe I should just have gone with something simple like an AL811H or AL80B - sigh!
>> I love the QSK and 6m on this one, but I haven;t really had a chance to use it much thanks to this failure!
>>
>> Any clues from those out there with experience please? Where do you send them when they break?
>> Is this worth fixing? Maybe it is something simple I can do myself (?) - hope.
>>
>> 73 to all - Bry Carling, AF4K
>> Sanford, FL
>
>

7199. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 16:08:33 UTC
From: bill.8@...
Topic: 3059 Message: 7199

On 10/04/2016 15:39, Bry Carling af4k@hotmail.com [acom-list] wrote:

Is there any possibility that this problem could be called by the control circuit for the relay? Hi Bry,

that boils down to the MOSFET Q4 on the control board, it is used to switch both the RF input relay and the vacuum output relay. That seems unlikely to fail.

One thing worth checking is that there is no external switching issue, does the fault happen if you disconnect the RF input and keying line and simply short the KEY IN line?

73
Bill
G4WJS.

7200. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 18:22:40 UTC
From: Mike Harris
Topic: 3059 Message: 7200

TRI complicated! That is a challenging comment. I have a pice of paper with my band/tune/load numbers on it and preset. Thereafter it takes a couple of seconds to trim up.

Regards,

Mike VP8NO

On 10/04/2016 11:43, Bry Carling af4k@... [acom-list] wrote:
> Thank you Keith. Mine is set up for 240 V AC. And I'm running on that. Thank you for the encouragement. Part of the problem may be that I was not tuning it correctly? It seems rather complicated to use that TR I method.
>
> Best regards - Brian Carling
> AF4K Crystal Co.
> 117 Sterling Pine St.
> Sanford, FL 32773
>
> Tel: 321-262-5471

7201. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 18:26:51 UTC
From: Don Allen
Topic: 3059 Message: 7201

I would certainly concur. ACOM's TRI makes tuning extraordinarily easy.

73
Don W9CW

On 4/10/2016 1:22 PM, Mike Harris mike.harris@... [acom-list]
wrote:
>
> TRI complicated! That is a challenging comment. I have a pice of paper
> with my band/tune/load numbers on it and preset. Thereafter it takes a
> couple of seconds to trim up.
>
> Regards,
>
> Mike VP8NO
>
> .
>
>

7202. Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 18:40:16 UTC
From: bill.8@...
Topic: 3059 Message: 7202

On 10/04/2016 12:46, bill.8@classdesign.com [acom-list] wrote:

The ORC signal is ultimately derived from a DC path to ground through RFC3, the vacuum relay K1 normally open contacts and RFC4. The *ORC line is pulled up to 24V through R26 on the control board. The ORC logic signal is *ORC inverted and converted to 5V by Q5 on the control board. If that path to ground through the relay is not present when K1 is switched to Tx (*PANT signal low which is the K1 switch to Tx signal) then the amplifier knows there is a problem and it trips the fault. Hi Bry & all,

I should correct this. The *PANT signal is not the SEND switch, that is T/*R and that drives *OUTR which grounds the K1 vacuum relay coil to switch to SEND. The *PANT signal goes low when forward power is detected at the output watt meter bridge. So the TR2B fault condition is when RF power is detected with T/R* high but the output vacuum relay has not yet switched to the SEND position (ORC low).

73
Bill
G4WJS.

7203. Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 18:52:06 UTC
From: garfieldbill700@...
Topic: 7178 Message: 7203

Sounds to me more like Vine may be trying to justify a price hike commensurate with what Array gets for them. For quite a while Array has been getting US $350 per tube, and US $600 for a matched pair. As recent as last month (March) VINE was selling them singly for US $225 shipped from the UK. Check other sources. QRO-Parts dot com currently has them for US $ 199.50 (plus shipping from Sweden).

I find it really hard to believe claims of a 50% failure rate

7204. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 20:22:40 UTC
From: Bry Carling
Topic: 3059 Message: 7204

Do you retune after going from low power (yellow light on) to full power??

Best regards - Brian Carling
AF4K Crystal Co.
117 Sterling Pine St.
Sanford, FL 32773

Tel: 321-262-5471

> On Apr 10, 2016, at 2:27 PM, Don Allen w9cw@comcast.net [acom-list]
<acom-list@yahoogroups.com> wrote:
>
> I would certainly concur. ACOM's TRI makes tuning extraordinarily easy.
>
> 73
> Don W9CW
>
>> On 4/10/2016 1:22 PM, Mike Harris mike.harris@horizon.co.fk [acom-list] wrote:
>>
>> TRI complicated! That is a challenging comment. I have a pice of paper
>> with my band/tune/load numbers on it and preset. Thereafter it takes a
>> couple of seconds to trim up.
>>
>> Regards,
>>
>> Mike VP8NO
>> .
>>
>>
>
>

7205. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 20:23:27 UTC
From: Bry Carling
Topic: 3059 Message: 7205

I will check

Best regards - Brian Carling
AF4K Crystal Co.
117 Sterling Pine St.
Sanford, FL 32773

Tel: 321-262-5471

> On Apr 10, 2016, at 12:08 PM, bill.8@classdesign.com [acom-list]
<acom-list@yahoogroups.com> wrote:
>
>> On 10/04/2016 15:39, Bry Carling af4k@hotmail.com [acom-list] wrote:
>> Is there any possibility that this problem could be called by the control circuit for the relay?
> Hi Bry,
>
> that boils down to the MOSFET Q4 on the control board, it is used to switch both the RF input relay and the vacuum output relay. That seems unlikely to fail.
>
> One thing worth checking is that there is no external switching issue, does the fault happen if you disconnect the RF input and keying line and simply short the KEY IN line?
>
> 73
> Bill
> G4WJS.
>

7206. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 20:45:51 UTC
From: bill.8@...
Topic: 3059 Message: 7206

On 10/04/2016 21:23, Bry Carling af4k@hotmail.com [acom-list] wrote:

I will check
On Apr 10, 2016, at 12:08 PM, bill.8@classdesign.com mailto:bill.8@classdesign.com [acom-list] <acom-list@yahoogroups.com mailto:acom-list@yahoogroups.com> wrote:

On 10/04/2016 15:39, Bry Carling af4k@hotmail.com mailto:af4k@hotmail.com [acom-list] wrote:

Is there any possibility that this problem could be called by the control circuit for the relay?that boils down to the MOSFET Q4 on the control board, it is used to switch both the RF input relay and the vacuum output relay. That seems unlikely to fail.

One thing worth checking is that there is no external switching issue, does the fault happen if you disconnect the RF input and keying line and simply short the KEY IN line?

I would expect the fault not to occur until RF is applied to the input. You should be able to hear the relays clicking when you short the KEY IN jack. You may be able to hear the vacuum relay which is just behind the front and side panel at the bottom left side of the front panel. It will be pretty quiet so you may not be able to hear that one, the input relay is probably a bit noisier. If you hear any relay noise then the switching circuit (control board Q4) is definitely OK.

Next thing to try is to apply a bit of RF to the input after shorting the KEY IN jack. The fault will probably happen as soon as the RF is applied.

73
Bill
G4WJS.

7207. Re: [acom-list] Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-10 21:53:40 UTC
From: Mike Harris
Topic: 3059 Message: 7207

I drive my A1000 with a K3, no ALC connected. I have set the "tune power" from the K3 to 20W. Using the TRI I don't find any difference between tuning at 20W or 50W. Recently I have taken to keeping the loading slightly on the heavy side, TRI indicator slightly to the left of centre. Safer for the screen grid (g2).

Regards,

Mike VP8NO

On 10/04/2016 17:22, Bry Carling af4k@... [acom-list] wrote:
> Do you retune after going from low power (yellow light on) to full power??
>
> Best regards - Brian Carling
> AF4K Crystal Co.
> 117 Sterling Pine St.
> Sanford, FL 32773
>
> Tel: 321-262-5471
>
>
>
>
>> On Apr 10, 2016, at 2:27 PM, Don Allen w9cw@... [acom-list] <acom-list@yahoogroups.com> wrote:
>>
>> I would certainly concur. ACOM's TRI makes tuning extraordinarily easy.
>>
>> 73
>> Don W9CW
>>
>>> On 4/10/2016 1:22 PM, Mike Harris mike.harris@... [acom-list] wrote:
>>>
>>> TRI complicated! That is a challenging comment. I have a pice of paper
>>> with my band/tune/load numbers on it and preset. Thereafter it takes a
>>> couple of seconds to trim up.
>>>
>>> Regards,
>>>
>>> Mike VP8NO

7208. RE: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-11 00:44:38 UTC
From: Bry Carling
Topic: 3059 Message: 7208

Thanks fellas...

Triggering it with no RF input - I can hear a relay clicking inside the Acom and of course noerror message iwth no RF applied.

So it looks like I need to buy a relay then.
I might open it up and see if voltage is going to that relay first.
Does that sound like a good idea?

Bry AF4K

To: acom-list@yahoogroups.com
From: acom-list@yahoogroups.com
Date: Sun, 10 Apr 2016 13:45:51 -0700
Subject: Re: [acom-list] Re: Acom 1000 failure

On 10/04/2016 21:23, Bry Carling af4k@... [acom-list] wrote:

I will check
On Apr 10, 2016, at 12:08 PM, bill.8@... [acom-list] <acom-list@yahoogroups.com> wrote:

On 10/04/2016 15:39, Bry Carling af4k@... [acom-list] wrote:

Is there any possibility that this problem could be called by the control circuit for the relay?that boils down to the MOSFET Q4 on the control board, it is used to switch both the RF input relay and the vacuum output relay. That seems unlikely to fail.

One thing worth checking is that there is no external switching issue, does the fault happen if you disconnect the RF input and keying line and simply short the KEY IN line?

I would expect the fault not to occur until RF is applied to the input. You should be able to hear the relays clicking when you short the KEY IN jack. You may be able to hear the vacuum relay which is just behind the front and side panel at the bottom left side of the front panel. It will be pretty quiet so you may not be able to hear that one, the input relay is probably a bit noisier. If you hear any relay noise then the switching circuit (control board Q4) is definitely OK.

Next thing to try is to apply a bit of RF to the input after shorting the KEY IN jack. The fault will probably happen as soon as the RF is applied.

73

Bill

G4WJS.

7209. RE: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-11 01:11:36 UTC
From: bill.8@...
Topic: 3059 Message: 7209

On 11/04/2016 01:44, Bry Carling af4k@hotmail.com mailto:af4k@hotmail.com [acom-list] wrote:

I might open it up and see if voltage is going to that relay first.
Does that sound like a good idea? Hi Bry,

you have verified that the relay control circuit is working (control board Q4). The +48V supply that switches it is checked by the amplifier (the PSE Power Supply Error signal) so you would have a different fault code if that was missing.

I think the relay coil connections are tricky to get at in situ as they are behind the relay mounting plate. IMHO it is fairly certain that the relay has failed.

73
Bill
G4WJS.

7210. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-11 01:35:52 UTC
From: Larry Benko
Topic: 3059 Message: 7210

Sorry for the late comments but I don't look at this group too often. Nobody has mentioned that there is another possibility. Looking at the schematic shows 2 inductors RFC3 and RFC4 which are used to determine if the contacts of the output vacuum relay have actually closed. This measurement happens after keying the amp and before any RF is present. These inductors are labelled in the schematic as 60uH which is only +j678 ohms at 1.8MHz. One of them might have opened up making the amp think that the relay is dead or the contacts are bad. This approach has been used by Alpha on several amps and allows the amp to determine if the output relay is bad and if RF is present before the output relay closes. Operating the amp into an SWR which is higher than 50 ohms stresses the inductors more. It is easy to ohm them out to see if they are good.

73,
Larry, W0QE

On 4/10/2016 7:11 PM, bill.8@... [acom-list] wrote:
> On 11/04/2016 01:44, Bry Carling af4k@... [acom-list] wrote:
>> I might open it up and see if voltage is going to that relay first.
>> Does that sound like a good idea?
> Hi Bry,
>
> you have verified that the relay control circuit is working (control
> board Q4). The +48V supply that switches it is checked by the
> amplifier (the PSE Power Supply Error signal) so you would have a
> different fault code if that was missing.
>
> I think the relay coil connections are tricky to get at in situ as
> they are behind the relay mounting plate. IMHO it is fairly certain
> that the relay has failed.
>
> 73
> Bill
> G4WJS.
>

7211. Re: [acom-list] Re: Acom 1000 failure

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-11 09:35:33 UTC
From: bill.8@...
Topic: 3059 Message: 7211

Hi Larry,

good point. The last two pictures in this document nicely show the location of the two chokes:

https://xa.yimg.com/df/acom-list/ACOM1000-Cover-Removal2.doc?token=GQwQiZkFQBFmmNIakEqGjYFWSBZkEQOscdcKQL4MtuqHgJFUHLRjJyZ29j3LrH0giIaox3Hmnw0VAqfiJCHVRqIskmnm3Fuv5-GAOnQ2IKAwRbhf6Lrchhfh&type=download https://xa.yimg.com/df/acom-list/ACOM1000-Cover-Removal2.doc?token=GQwQiZkFQBFmmNIakEqGjYFWSBZkEQOscdcKQL4MtuqHgJFUHLRjJyZ29j3LrH0giIaox3Hmnw0VAqfiJCHVRqIskmnm3Fuv5-GAOnQ2IKAwRbhf6Lrchhfh&type=download

An open RFC4 would be particularly worrying since is acts a plate supply crowbar, to keep the HV away from the aerial socket, should the C3b doorknob blocking capacitor fail short.

HEED ALL THE WARNINGS IN THE ABOVE DOCUMENT IF YOU INTEND TO REMOVE THE COVERS!! LETHAL VOLTAGES ARE PRESENT AND MAY STILL BE PRESENT AFTER DISCONNECTING FROM THE MAINS.

73
Bill
G4WJS.

7212. Re: [acom-list] Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-12 13:29:24 UTC
From: Trevor Dunne
Topic: 7178 Message: 7212

Just as a FYI Vine Antennas has stopped trading, Ron has retired,not sure what is to become of Acom in the UK and EI but thanks to Ron for excellent service over they years,

Thanks
Trevor
EI2GLB
Sent from Yahoo Mail on my Android device

7213. Re: [acom-list] Re: GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-12 21:02:21 UTC
From: Mike Harris
Topic: 7178 Message: 7213

Martin Lynch & Sons Ltd (HamRadio.uk) are advertising Acom amps on the back cover of April RadCom, along with other makes.

Regards,

Mike VP8NO

On 12/04/2016 10:29, Trevor Dunne trevor_dunne@... [acom-list] wrote:
> Just as a FYI Vine Antennas has stopped trading, Ron has retired,not sure what is to become of Acom in the UK and EI but thanks to Ron for excellent service over they years,
>
> Thanks
> Trevor
> EI2GLB
> Sent from Yahoo Mail on my Android device
>

7214. Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-12 23:22:32 UTC
From: ZL2AAA
Topic: 1393 Message: 7214

Hi I wish to purchase a spare vacuum output relay for my 1000 .Can anyone tell me the relay ohms and the switching voltage.A point in the right direction for replacement type relays would be appreciated .
Thanks Morrie

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

7215. Re: Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-13 01:17:08 UTC
From: bill.8@...
Topic: 1393 Message: 7215

Hi Morrie,

These are all compatible I believe:

NOS suppliers show the Russian P1D-1W relay available for around $25. Alternatively the Kilovac HC1-26/HC1-U26/HC1-S122 or Jennings RJ1A-26S seem to be readily available for less than $100.

The relay is SPDT 3A 300V @76MHz with a 26.5V DC coil at 335 Ohm resistance and ~10ms switching time. It is driven by a +48V DC supply with 2 times 82 Ohm a 330 Ohm plus a diode and a MOSFET switch in series. So the coil voltage is ~29V DC which is in spec for those relays.

73
Bill
G4WJS.

7216. Re: Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-13 13:07:01 UTC
From: on4ct@...
Topic: 1393 Message: 7216

Morrie

It is a 24V Dc relay.
Kilovac, Jennings, Gigavac, or Siemens vr311
The last one you can find on ebay.de a good supplier is Osttech.

73
dirk
on4ct

7217. Re: [acom-list] Re: Acom 1000

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-14 08:38:49 UTC
From: ZL2AAA
Topic: 1393 Message: 7217

Thanks Bill Time is my enemy??

From: mailto:acom-list@yahoogroups.com
Sent: Wednesday, April 13, 2016 1:17 PM
To: acom-list@yahoogroups.com
Subject: [acom-list] Re: Acom 1000

Hi Morrie,

These are all compatible I believe:

NOS suppliers show the Russian P1D-1W relay available for around $25. Alternatively the Kilovac HC1-26/HC1-U26/HC1-S122 or Jennings RJ1A-26S seem to be readily available for less than $100.

The relay is SPDT 3A 300V @76MHz with a 26.5V DC coil at 335 Ohm resistance and ~10ms switching time. It is driven by a +48V DC supply with 2 times 82 Ohm a 330 Ohm plus a diode and a MOSFET switch in series. So the coil voltage is ~29V DC which is in spec for those relays.

73
Bill
G4WJS.

This email has been checked for viruses by Avast antivirus software.
https://www.avast.com/antivirus

7218. Acom 2000A Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-16 20:06:44 UTC
From: George
Topic: 1828 Message: 7218

My 2000A will not produce any RF output. HV, Bias, and grid voltages look normal. I manual keyed the rig by shorting the input connector and I can hear the relay key. Also the Bias drop from -127 to around -74 when keyed without an input signal. HV drops slightly to about 2.85KV when keyed. There are no fault codes. Amp worked perfectly when last used.

When keyed with the rig the output power folds back to almost 0 watts input SWR is almost 30:1.

Any suggestion as to where to start digging into the problem?

73, George
W2GS

7219. No output

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-16 20:13:03 UTC
From: K2LS
Topic: 7219 Message: 7219

Check the VSWR on the Driver connected to a dummy or good known load.

Replace the coax between the driver and amp. (They do go bad)

Is it within "normal limits"

Does it change while radio is keyed?

I hope it's a simple fix.

73, Larry K2LS

DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.

7220. Re: [acom-list] No output

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-16 20:24:41 UTC
From: George
Topic: 7219 Message: 7220

Thanks for the input. Turned out to be a switching problem in the
system I use to connect my rigs and amps together. I haven't got into
to that yet, but glad it's not the amp. Amp is 10 years old and still
going strong.
73, George
W2GS

On 4/16/2016 3:13 PM, K2LS K2LS@... [acom-list] wrote:
>
> Check the VSWR on the Driver connected to a dummy or good known load.
>
> Replace the coax between the driver and amp. (They do go bad)
>
> Is it within "normal limits"
>
> Does it change while radio is keyed?
>
> I hope it's a simple fix.
>
> 73, Larry K2LS
>
>
> DxPacketcluster node DXC.K2LS.COM Spots from NA zones 1-8 only.
>
>

7221. Re: [acom-list] Acom 2000A Problem

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-17 01:06:26 UTC
From: Brian Smithson
Topic: 1828 Message: 7221

Antenna or feedline gone bad? Dummy load to try?

Brian n8wrl
On Apr 16, 2016 4:06 PM, "George at6c@... [acom-list]" <
acom-list@yahoogroups.com> wrote:

>
>
> My 2000A will not produce any RF output. HV, Bias, and grid voltages look
> normal. I manual keyed the rig by shorting the input connector and I can
> hear the relay key. Also the Bias drop from -127 to around -74 when keyed
> without an input signal. HV drops slightly to about 2.85KV when keyed.
> There are no fault codes. Amp worked perfectly when last used.
>
> When keyed with the rig the output power folds back to almost 0 watts
> input SWR is almost 30:1.
>
> Any suggestion as to where to start digging into the problem?
>
> 73, George
> W2GS
>
>

7222. News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-18 08:23:30 UTC
From: mpx75khz@...
Topic: 7222 Message: 7222

Hello

Is it possible to empty a tube with just the amplifier into standby mode ?
If it is possible in this mode, how long it takes for a good degassing ?

Thank's,

Thierry

7223. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-18 10:43:29 UTC
From: bill.8@...
Topic: 7222 Message: 7223

Hi Thierry,

There is full HV on the anode even on standby and although there is off bias on the grid, that should stop conduction, I do not think I would trust a potentially soft vacuum valve with full HV.

It is pretty easy to hack together a degassing rig from stuff on the workbench. All you need is a variable voltage PSU capable of 12.6VDC at 4A and a source of airflow. I recently used a soldering fume extractor and a simple cardboard and packing tape chimney arrangement, it took less that half an hour to hack together.

I think a day at normal filament voltage is sufficient to degas. The valve does not get very hot on filament only so air flow may not be necessary but just in case since the vacuum seal is quite delicate.

I believe external RF heating is used to heat the getter during manufacturing.

I have posted a picture of my set up to the galleries here.
https://groups.yahoo.com/neo/groups/acom-list/photos/photostream/lightbox/1055088990?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/1055088990 https://groups.yahoo.com/neo/groups/acom-list/photos/photostream/lightbox/1055088990?orderBy=mtime&sortOrder=desc&photoFilter=ALL#zax/1055088990

73
Bill
G4WJS.

7224. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-18 10:49:35 UTC
From: bill.8@...
Topic: 7222 Message: 7224

Hi All,

sorry, the link above doesn't work. I've no idea how to post a link to the group photo area in this piece of junk Yahoo Groups web interface, the sooner Yahoo kill it or divest it to someone who knows how to write good software the better :(

73
Bill
G4WJS.

7225. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-18 11:27:38 UTC
From: mpx75khz@...
Topic: 7222 Message: 7225

Ok Bill,

Very thank's for this info...

I build your example...

73,

Thierry (F4FPQ)

7226. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-19 05:52:50 UTC
From: on4ct@...
Topic: 7222 Message: 7226

Thierry

It is posseble to burn in the gu74b inside the acom 1000, but it is not the best thing to do with an expensive
amplifier. There can be internal shorts in a new or NOS tube and you can damage parts.

As described it is best to getter the tube external as written in another reply.

Some more hints:
- before you put the tube in to a test , measure for any shorts between the internal wires : grid-sreen-anode
- ramp up the voltage slowly from 6v for 2 H, to 10 V , to 12,5 V for 5 to 10h
- meaures again for internal shorts, shortly after deconneting the voltage, the tube is warm .
the most likely short is an kathode to grid short, hot kahtodes can bend ant touch the grid.
- if this all ok, than put in the amp.
- the amplifier must be stand by for a couple of hours , let s say 2 h. , anode voltage is on.
there can be a internal flash , if this occurs then burn in the tube external - or in the amp without any anode voltage - for longer time 12,5 V for 24 h . With some the tube will have no flashes any more. If not , it is a bad tube.
internal flashes happens when the tube is not degassed for 100 %
- let run the amp in idle, there will be a current flow from kathode to anode : 1 h
- set the bias , on this reflector there is document in the files for to do this.
- let run the amp at some low power : 5w in , cw 50 % duty cycle , a couple of minutes
- the tube is ready for use

warning : lethal voltage inside the amp.

This is the way I do it with nos russian tetrodes.

In the file section you find also some info for to set up a nos tube

73
dirk
on4ct

7227. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-19 14:14:35 UTC
From: mpx75khz@...
Topic: 7222 Message: 7227

Very Thank's Dirk for this infos

Cordialy,

Thierry

7228. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-20 16:51:42 UTC
From: on4ct@...
Topic: 7222 Message: 7228

Cher Thierry

Si tu a besoin d une traduction, to peut me envoyer un email .
Sur qrz.com tu peut voir mon email .

mes 73
dirk

7229. Acom 1200S

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-20 19:14:12 UTC
From: w6vyred@...
Topic: 7229 Message: 7229

Whatever happened to the Acom 1200s and the 2100?

Bob W6VY

7230. Re: [acom-list] Acom 1200S

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-20 22:23:26 UTC
From: Brenton Meadows
Topic: 7229 Message: 7230

HI Bob,
The Agents for Acom over here in Australia, Posnav have just shipped their first Acom 2100 to VK4 so they are now shipping from Bulgaria to dealers around the world.
Reviews from the VK4 station on the Acom 2100 are going to be available soon as I am very interested in his feedback, but initial comments from the customer expressed a desire to complement the Team at Acom in Bulgaria on a job well done..
Cheers
Brenton
VK3CM

On Thu, Apr 21, 2016 at 5:14 AM, w6vyred@... [acom-list] <acom-list@yahoogroups.com> wrote:

>
>
> Whatever happened to the Acom 1200s and the 2100?
>
>
> Bob W6VY
>
>
>

7231. Re: [acom-list] Acom 1200S

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-21 02:53:47 UTC
From: John A. Longoria Jr
Topic: 7229 Message: 7231

I just came across this... http://www.mwe.dk/A1200.PDF

I just became a member of the ACOM 1000 owner family.

Question: My amp's LCD has a black background with yellow characters. Is this new?
Every amp I had seen before has a green background with black characters.

Thanks.
N5MYL

> HI Bob,
> The Agents for Acom over here in Australia, Posnav have just shipped their
> first Acom 2100 to VK4 so they are now shipping from Bulgaria to dealers
> around the world.
> Reviews from the VK4 station on the Acom 2100 are going to be available
> soon as I am very interested in his feedback, but initial comments from
> the
> customer expressed a desire to complement the Team at Acom in Bulgaria on
> a job well done..
> Cheers
> Brenton
> VK3CM
>
> On Thu, Apr 21, 2016 at 5:14 AM, w6vyred@... [acom-list] <
> acom-list@yahoogroups.com> wrote:
>
>>
>>
>> Whatever happened to the Acom 1200s and the 2100?
>>
>>
>> Bob W6VY
>>
>>
>>
>>
>

7232. Re: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-21 09:36:32 UTC
From: Hans Remeeus
Topic: 7164 Message: 7232

My Acom 2000A has been sold.

Therefore I offer my spare (pair) GU74b's.

The pair for 250 Euro, or seperate for 125 Euro. Excl. shipping to any country WW.

Please reply direct to hans @ pa1hr . nl

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 1-4-2016 om 19:15 schreef Hans Remeeus hans@... [acom-list]:
>
>
>
> For the European HAM's for sale: my Acom 2000A.
>
> In 100% working order.
>
> Main unit and remote control: as new, no scratches or other marks.
>
> Newprice in Europe: 5,600 Euro.
>
> I ask: 3,500 Euro.
>
> Please reflect via private e-mail to hans at pa1hr dot nl
>
> Tnx and 73, Hans.
>
>
> --
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
> http://www.hansremeeus.nl
> Communication is about people, the rest is technology.
>
>
>

7233. Sv: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-21 10:39:31 UTC
From: ragnar otterstad
Topic: 7164 Message: 7233

Are you coming to FHN, I can buy them
73 Rag LA5HE

Den Torsdag, 21. april 2016 11.36 skrev "Hans Remeeus hans@... [acom-list]"
<acom-list@yahoogroups.com>:

My Acom 2000A has been sold.

Therefore I offer my spare (pair) GU74b's.

The pair for 250 Euro, or seperate for 125 Euro. Excl. shipping to any country WW.

Please reply direct to hans @ pa1hr . nl

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu/
http://www.hansremeeus.nl/
Communication is about people, the rest is technology.
Op 1-4-2016 om 19:15 schreef Hans Remeeus hans@... [acom-list]:

For the European HAM's for sale: my Acom 2000A.

In 100% working order.

Main unit and remote control: as new, no scratches or other marks.

Newprice in Europe: 5,600 Euro.

I ask: 3,500 Euro.

Please reflect via private e-mail to hans at pa1hr dot nl

Tnx and 73, Hans.

--

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu/
http://www.hansremeeus.nl/
Communication is about people, the rest is technology.

7234. Re: [acom-list] GU74 Availability

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-21 12:29:42 UTC
From: dalej
Topic: 7178 Message: 7234

According to Vine website, his son is taking over the tube side of the business.

73
Dale, K9VUJ

On 12, Apr 2016, at 8:29, Trevor Dunne trevor_dunne@... [acom-list] <acom-list@yahoogroups.com> wrote:

Just as a FYI Vine Antennas has stopped trading, Ron has retired,not sure what is to become of Acom in the UK and EI but thanks to Ron for excellent service over they years,

Thanks
Trevor
EI2GLB
Sent from Yahoo Mail on my Android device

From: garfieldbill700@... [acom-list] <acom-list@yahoogroups.com>;
To: <acom-list@yahoogroups.com>;
Subject: [acom-list] Re: GU74 Availability
Sent: Sun, Apr 10, 2016 6:52:06 PM

Sounds to me more like Vine may be trying to justify a price hike commensurate with what Array gets for them. For quite a while Array has been getting US $350 per tube, and US $600 for a matched pair. As recent as last month (March) VINE was selling them singly for US $225 shipped from the UK. Check other sources. QRO-Parts dot com currently has them for US $ 199.50 (plus shipping from Sweden).

I find it really hard to believe claims of a 50% failure rate

7235. Re: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-22 05:59:53 UTC
From: Hans Remeeus
Topic: 7164 Message: 7235

Sold.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 21-4-2016 om 11:36 schreef Hans Remeeus hans@... [acom-list]:
>
>
>
> My Acom 2000A has been sold.
>
> Therefore I offer my spare (pair) GU74b's.
>
> The pair for 250 Euro, or seperate for 125 Euro. Excl. shipping to any
> country WW.
>
> Please reply direct to hans @ pa1hr . nl
>
> Tnx and 73, Hans.
>
>
> Vriendelijke groeten,
> Hans Remeeus (PA1HR/OE3JRC)
> http://www.remeeus.eu
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> Communication is about people, the rest is technology.
> Op 1-4-2016 om 19:15 schreef Hans Remeeus hans@... [acom-list]:
>>
>> For the European HAM's for sale: my Acom 2000A.
>>
>> In 100% working order.
>>
>> Main unit and remote control: as new, no scratches or other marks.
>>
>> Newprice in Europe: 5,600 Euro.
>>
>> I ask: 3,500 Euro.
>>
>> Please reflect via private e-mail to hans at pa1hr dot nl
>>
>> Tnx and 73, Hans.

>>
>>
>> --
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>> Vriendelijke groeten,
>> Hans Remeeus (PA1HR/OE3JRC)
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>> Communication is about people, the rest is technology.
>
>
>
>

7236. Re: News Nos Tube on ACOM 1000 and Getter degassing process...

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-22 07:47:12 UTC
From: mpx75khz@...
Topic: 7222 Message: 7236

Hello Dirk,

Ok very thanks :0)

73

Thierry

7237. Sv: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-22 08:03:40 UTC
From: ragnar otterstad
Topic: 7164 Message: 7237

I have also an ACom2000 for sale and can bring to FHN in JUne. Drop me a line if interested.
73 Rag la5he

Den Fredag, 22. april 2016 7.59 skrev "Hans Remeeus hans@... [acom-list]" <acom-list@yahoogroups.com>:

Sold.

73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu/
http://www.hansremeeus.nl/
Communication is about people, the rest is technology.
Op 21-4-2016 om 11:36 schreef Hans Remeeus hans@... [acom-list]:

My Acom 2000A has been sold.

Therefore I offer my spare (pair) GU74b's.

The pair for 250 Euro, or seperate for 125 Euro. Excl. shipping to any country WW.

Please reply direct to hans @ pa1hr . nl

Tnx and 73, Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu/
http://www.hansremeeus.nl/
Communication is about people, the rest is technology.
Op 1-4-2016 om 19:15 schreef Hans Remeeus hans@... [acom-list]:

For the European HAM's for sale: my Acom 2000A.

In 100% working order.

Main unit and remote control: as new, no scratches or other marks.

Newprice in Europe: 5,600 Euro.

I ask: 3,500 Euro.

Please reflect via private e-mail to hans at pa1hr dot nl

Tnx and 73, Hans.

--

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu/
http://www.hansremeeus.nl/
Communication is about people, the rest is technology.

7238. Re: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-22 13:33:00 UTC
From: on4ct@...
Topic: 7164 Message: 7238

Hans

And the new amp is ?

Dirk
on4ct

7239. Sv: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-22 13:53:43 UTC
From: ragnar otterstad
Topic: 7164 Message: 7239

I went for a " green one " Hi   Expert 2K
73 Rag la5he

Den Fredag, 22. april 2016 15.33 skrev "on4ct@... [acom-list]"
<acom-list@yahoogroups.com>:

  Hans

And the new amp is ?

Dirk
on4ct

7240. Re: [acom-list] For sale: Acom 2000A

Yahoo group: acom-list (2010 — 2016)
Date: 2016-04-22 14:30:58 UTC
From: Hans Remeeus
Topic: 7164 Message: 7240

1 kW LDMOS FET.

73! Hans.

Vriendelijke groeten,
Hans Remeeus (PA1HR/OE3JRC)
http://www.remeeus.eu
http://www.hansremeeus.nl
Communication is about people, the rest is technology.

Op 22-4-2016 om 15:33 schreef on4ct@... [acom-list]:
>
>
> Hans
>
> And the new amp is ?
>
> Dirk
> on4ct
>
>